

July 31, 2007

Mr. Bill Brown
Nextel Communications of the Mid-Atlantic, Inc.
c/o General Dynamics Wireless Services
1343 Ashton Road
Hanover, Maryland 21076

Subject: SHPO and Tribal Services
VA3891A/Jakboub
21260 Smith Switch Road, Ashburn, Loudoun County, Virginia 20146
EBI Project Number: 61071562

Dear Mr. Brown:

EBI had previously completed required consultation with the State Historic Preservation Office (SHPO) and Federally-recognized Tribes in accordance with FCC NEPA rules and Section 106 of the NHPA on behalf of *Nextel Communications of the Mid-Atlantic* for a proposed 95-foot monopole telecommunications tower at the address listed above. However, the height of the proposed monopole was changed from 95 feet to 138 feet. Due to this height change, EBI was requested to resubmit the proposed project information to the Virginia SHPO and to the Tribes who expressed interest through TCNS.

Please find the attached FCC Form 620, SHPO Correspondence, and Tribal correspondences for the above referenced site. Based upon the results of our investigation and response letters, it has been determined that the modified project design has no adverse effect on historic or tribal resources.

Thank you for the opportunity to assist you with this project. Please call us if you have any questions or if we may be of further assistance.

Respectfully Submitted,



Ms. Talia C. Gilmore
Author/Staff Scientist



Mr. Neil Anders
Reviewer/Program Manager
Direct# 717-428-0401 ext. 1203

Appendix A- Form 620 Submission Packet
Appendix B- SHPO Correspondence
Appendix C- Tribal Correspondence

ENVIROBUSINESS, INC. LOCATIONS | ATLANTA, GA | BALTIMORE, MD | BURLINGTON, MA | CHICAGO, IL |
CRANSTON, RI | DALLAS, TX | DENVER, CO | EXETER, NH | HOUSTON, TX | LOS ANGELES, CA |
NEW YORK, NY | PHOENIX, AZ | PORTLAND, OR | SAN FRANCISCO, CA | SEATTLE, WA | YORK, PA

APPENDIX A
FORM 620 SUBMISSION PACKET

May 21, 2007

Virginia Department of Historic Resources
Office of Review and Compliance
2801 Kensington Avenue
Richmond, Virginia 23221
Attn: Mr. Mark Holma

Subject: Submission Packet, FCC Form 620, for proposed New Tower Project
VA3891A/Jakboub
21260 Smith Switch Road, Ashburn, Loudoun County, Virginia 20146
EBI Project Number: 61071562


In accordance with FCC NEPA rules and Section 106 of the NHPA, the above-referenced telecommunications project is being evaluated by EBI for its potential effects to districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture that are listed, or potentially eligible for listing in the National Register of Historic Places (NRHP). Based on EBI's review of the characteristics and location of the proposed project, the project does not meet the exclusions stated in the "Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission," dated September 2004, ("Nationwide Agreement"); therefore, the project is required to undergo Section 106 review with the State Historic Preservation Office.

In accordance with the Nationwide Agreement, please find the attached Submission Packet, FCC Form 620, which presents the details on the proposed project as well as efforts that have been taken to identify, assess, and make determinations of effect on the impacts of the proposed project on Historic Properties.

We would appreciate your review of the data for the proposed project presented above and shown on the attached form and attachments. On behalf of *Nextel Communications of the Mid-Atlantic, Inc. (Nextel Communications)*, we would appreciate your comments for this proposed telecommunications installation in a letter directed to the address noted above. Please do not hesitate to contact us if you have any questions or concerns about the proposed project or the information contained in this Submission Packet.

Sincerely,


Ms. Talia C. Gilmore
Staff Scientist


Ms. Sarah Farley
Architectural Historian
Tel: 717-428-0401 ext. 1210

New Tower ("NT") Submission Packet

FCC FORM 620

Introduction

The NT Submission Packet is to be completed by or on behalf of Applicants to construct new antenna support structures by or for the use of licensees of the Federal Communications Commission ("FCC"). The Packet (including Form 620 and attachments) is to be submitted to the State Historic Preservation Office ("SHPO") or to the Tribal Historic Preservation Office ("THPO"), as appropriate, before any construction or other installation activities on the site begin. Failure to provide the Submission Packet and complete the review process under Section 106 of the National Historic Preservation Act ("NHPA")¹ prior to beginning construction may violate Section 110(k) of the NHPA and the Commission's rules.

The instructions below should be read in conjunction with, and not as a substitute for, the "Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission," dated September 2004, ("Nationwide Agreement") and the relevant rules of the FCC (47 C.F.R. §§ 1.1301-1.1319) and the Advisory Council on Historic Preservation ("ACHP") (36 C.F.R. Part 800).²

Exclusions and Scope of Use

The NT Submission Packet should not be submitted for undertakings that are excluded from Section 106 Review. The categories of new tower construction that are excluded from historic preservation review under Section 106 of the NHPA are described in Section III of the Nationwide Agreement.

Where an undertaking is to be completed but no submission will be made to a SHPO or THPO due to the applicability of one or more exclusions, the Applicant should retain in its files documentation of the basis for each exclusion should a question arise as to the Applicant's compliance with Section 106.

The NT Submission Packet is to be used only for the construction of new antenna support structures. Antenna collocations that are subject to Section 106 review should be submitted using the Collocation ("CO") Submission Packet (FCC Form 621).

¹ 16 U.S.C. § 470f.

² Section II.A.9. Of the Nationwide Agreement defines a "historic property" as: "Any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian Organization that meet the National Register criteria."

Applicant's Name: Nextel Communications
Project Name: VA3891A/Jakboub
Project Number: 61071562

General Instructions: NT Submission Packet

Fill out the answers to Questions 1-5 on Form 620 and provide the requested attachments. Attachments should be numbered and provided in the order described below. For ease of processing, provide the Applicant's Name, Applicant's Project Name, and Applicant's Project Number in the lower right hand corner of each page of Form 620 and attachments.³

1. Applicant Information

Full Legal Name of Applicant: Nextel Communications of the Mid-Atlantic, Inc.

Name and Title of Contact Person: Mr. Bill Brown

Address of Contact Person (including Zip Code): 6716 Alexander Bell Drive, Suite 230, Columbia, MD 21046

Phone: 410-872-5961 Fax: 410-872-8589

E-mail address: william.brown@gdit.com

2. Applicant's Consultant Information

Full Legal Name of Applicant's Section 106 Consulting Firm: EnviroBusiness Inc. d/b/a EBI Consulting

Name of Principal Investigator: Ms. Sarah Farley

Title of Principal Investigator: Architectural Historian

Investigator's Address: 6876 Susquehanna Trail South

City: York State: Pennsylvania Zip Code 17403

Phone: 717-428-0401 ext. 1210 Fax: 717-428-0616

E-mail Address: sfarley@ebiconsulting.com

³ Some attachments may contain photos or maps on which this information cannot be provided.

Applicant's Name: Nextel Communications
Project Name: VA3891A/Jakboub
Project Number: 61071562

Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards?⁴

☒ YES / NO.

Areas in which the Principal Investigator meets the Secretary of the Interior's Professional Qualification Standards: Architectural Historian

Other "Secretary of the Interior qualified" staff who worked on the Submission Packet (provide name(s) as well as well as the area(s) in which they are qualified):

Patrick O'Neill, Archaeologist, Edward Otter Incorporated

Edward Otter, Archaeologist, Edward Otter Incorporated

3. Site Information

a. Street Address of Site: 21260 Smith Switch Road

City or Township: Ashburn

County / Parish: Loudoun County State: Virginia Zip Code: 20147

b. Nearest Cross Roads: Smith Switch Road / Loudoun County Parkway

c. NAD 83 Latitude/Longitude coordinates (to tenth of a second):

N 39 ° 1 ' 36 "; W 77 ° 27 ' 24.2 "

d. Proposed tower height above ground level:⁵ 138 feet; 42.1 meters

e. Tower type:

☐ Guyed lattice tower ☐ self-supporting lattice ☒ monopole

☐ Other (briefly describe tower) _____

⁴ The Professional Qualification Standards are available on the cultural resources webpage of the National Park Service, Department of the Interior: <http://www.cr.nps.gov/local-law/arch_stnds_9.htm>. The Nationwide Agreement requires use of Secretary-qualified professionals for identification and evaluation of historic properties within the APE for direct effects, and for assessment of effects. The Nationwide Agreement encourages, but does not require, use of Secretary-qualified professionals to identify historic properties within the APE for indirect effects. See Nationwide Agreement, §§ VI.D.1.d, VI.D.1.e, VI.D.2.b, VI.E.5.

⁵ Include top-mounted attachments such as lightning rods.

Applicant's Name: Nextel Communications
Project Name: VA3891A/lakboub
Project Number: 61071562

4. Project Status:⁶

- a. ☒ Construction not yet commenced;
b. ☐ Construction commenced on [date] _____; or,
c. ☐ Construction commenced on [date] _____ and was completed on [date] _____

5. Applicant's Determination of Effect:

a. Direct Effects (check one):

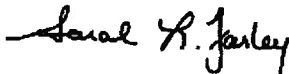
- i. ☒ No Historic Properties in Area of Potential Effects ("APE") for direct effects;
ii. ☐ "No effect" on Historic Properties in APE for direct effects;
iii. ☐ "No adverse effect" on Historic Properties in APE for direct effects;
iv. ☐ "Adverse effect" on one or more Historic Properties in APE for direct effects.

b. Visual Effects (check one):

- i. ☐ No Historic Properties in Area of Potential Effects ("APE") for visual affects;
ii. ☐ "No effect" on Historic Properties in APE for visual effects;
iii. ☒ "No adverse effect" on Historic Properties in APE for visual effects;
iv. ☐ "Adverse effect" on one or more Historic Properties in APE for visual effects.

Certification and Signature

I certify that all representations on this FCC Form 620 and the accompanying attachments are true, correct, and complete.



Signature

May 21, 2007

Date

Sarah Farley

Printed Name

Architectural Historian

Title

WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1) AND/ OR FORFEITURE (U.S. Code, Title 47, Section 503).

⁶ Failure to provide the Submission Packet and complete the review process under Section 106 of the NHPA prior to beginning construction may violate Section 110(k) of the NHPA and the Commission's rules. See Section X of the Nationwide Agreement.

Applicant's Name: Nextel Communications
Project Name: VA3891A/lakboub
Project Number: 61071562

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039
Estimated Time Per Response:
.5 to 10 hours

Attachments

Provide the following attachments in this order and numbered as follows:

Attachment 1. Résumés / Vitae.

Provide a current copy of the résumé or curriculum vitae for the Principal Investigator and any researcher or other person who contributed to, reviewed, or provided significant input into the research, analysis, writing or conclusions presented in the Submission Packet for this proposed collocation.

Please see attached Resumes of Principal Investigator and other contributing personnel.

Ms. Sarah Farley, Architectural Historian

Ms. Talia C. Gilmore, Staff Scientist

Mr. Patrick O'Neill, Archaeologist, Edward Otter Incorporated

Mr. Edward Otter, Archaeologist, Edward Otter Incorporated

SUMMARY OF EXPERIENCE

Talia Gilmore is a staff scientist with one year of experience specializing in environmental investigations, site assessments, and NEPA environmental reviews for the telecommunications industry. She has conducted over 45 Phase I and Phase II Environmental Site Assessment in accordance with ASTM standards and approximately 190 NEPA site assessments pursuant to the National Environmental Policy Act (NEPA) for the Telecommunications Division of EBI.

Ms. Gilmore completed her Bachelor's degree in Wildlife and Fisheries at Frostburg State University in 2001 and her Master's degree in Environmental Science at Towson University in 2005. As an undergraduate, Ms. Gilmore worked as a research assistant at the University of Maryland Center for Environmental Sciences Appalachian Laboratory organizing and transferring raw data on Black-tailed prairie dogs. During graduate school, she worked closely with the Mid-Atlantic Integrated Assessment division of the Environmental Protection Agency researching and presenting information on biological criteria for Maryland's freshwater streams.

RELEVANT PROJECT EXPERIENCE

Environmental Site Assessments: Ms. Gilmore has conducted both ASTM and Client-specific Phase I and Phase II Environmental Site Assessments and prepared Phase I compliance reports for properties throughout the Mid-Atlantic region and adjoining states. These projects have been completed for varying clients including those within the commercial, retail, residential, municipal, agricultural, and telecommunications sectors.

Mobile Telecommunication Sites: In addition to environmental assessments, Ms. Gilmore has prepared NEPA reviews for telecommunications properties throughout the Mid-Atlantic region and Florida. These reports ensure compliance with Federal Communications Commission (FCC) requirements under the National Environmental Policy Act (NEPA) and include an analysis of historic properties, wetlands, endangered species habitats, floodplains, and other areas of environmental concern in an attempt to limit potential impact of cellular installations on these sensitive areas.

EDUCATION

B.S. 2001 Wildlife & Fisheries, *Magna cum laude* Frostburg State University, Frostburg, MD

M.S. 2005 Environmental Science Towson University, Towson, MD

PROFESSIONAL CERTIFICATIONS

<i>ASTM Phase I Environmental Site Assessments for Commercial Real Estate</i>	Denver, CO
<i>TSCA Title II Certification: Asbestos Building Inspector</i>	Boiling Springs, PA

SUMMARY OF EXPERIENCE

Ms. Farley has completed her formal education in historic preservation and meets the requirement for historic consultant as specified in 36CFR61 by the Department of the Interior. Ms. Farley has more than 6 years of experience specializing in architectural history and Section 106 Compliance. She has conducted and participated in surveys on a variety of historic property types including rural, urban, commercial, residential, and industrial sites. She has successfully completed project assignments including architectural surveys and eligibility reports for the Federal Highway Administration, the Federal Communications Commission, and the Navy.

At EBI Consulting, Ms. Farley specializes in conducting cultural resources surveys, assessing National Register eligibility of historic structures and sites, and reviewing telecommunications reports as part of the NEPA compliance process.

RELEVANT PROJECT EXPERIENCE

NEPA Assessments

Ms. Farley has helped clients navigate the environmental review process to ensure compliance with Federal Communications Commission (FCC) requirements under the National Environmental Policy Act (NEPA). Environmental reviews include analysis of historic properties, wetlands, endangered species habitat, floodplains, and other areas of environmental concern and the possible impacts of telecommunications installations on these sensitive areas. Ms. Farley has completed over two hundred NEPA assessments in five states for various telecommunications clients. Ms. Farley has also been instrumental in developing and maintaining relationships with various state agencies whose comments on telecommunications projects is critical for timely installation.

EDUCATION

B.A.	History	College of Wooster
M.S.	Historic Preservation	University of Vermont

Patrick L. O'Neill
Archaeologist and Historian

EDUCATION

- M.A., History and Political Science, West Texas A&M University, Canyon, Texas, 1997
- B.S., Anthropology and Physical Sciences, Kansas State University, 1984

PROFESSIONAL AFFILIATIONS

- Archeological Society of Virginia
- Washington Map Society
- Texas State Historical Association

PROFESSIONAL EXPERIENCE

Patrick O'Neill is a Principal Investigator supervising archaeological research projects and preservation studies of historic resources in rural and urban environments. He plans and conducts surveys and excavations of archaeological sites, conducts historic research, and prepares technical reports and research proposals. His most recent work was with The Louis Berger Group from October 2003 to May 2005, which projects included:

- **Archaeological Survey, Ratcliffe Cemetery, City of Fairfax, Arlington County, Virginia.** Mr. O'Neill was the Principal Investigator on the Ratcliffe Cemetery Project, mapping and recording the extent of an abandoned 19th century family cemetery. Almost 90 graves were identified, including one Confederate soldier. For the City of Fairfax.
- **Archaeological Testing, Columbia Hospital for Women, Washington, D.C.** Mr. O'Neill was Principal Investigator at the Columbia Hospital for Women project looking for evidence of an early 19th century Tench Ringgold house and hospital foundations. The field work uncovered a pre-Civil War brick floor and cellar/basement. For the Trammel Crow Company.
- **Phase IA Assessment, Capitol Square, Richmond, Virginia.** Mr. O'Neill was Principal Investigator on the Virginia State Capitol Project conducting background research on the Capitol building and grounds for a renovation project. For the Hillier Group.
- **Geotechnical Monitoring, Capitol Square, Richmond, Virginia.** Mr. O'Neill was Principal Investigator on the Virginia State Capitol monitoring project, investigating the outer foundations of the Capitol and grounds finding evidence of the first building phase in the 1780s. For the Hillier Group.
- **Archaeological Testing, Arlington House, Arlington County, Virginia.** Mr. O'Neill was Principal Investigator at the home of Robert E. Lee, investigating the outer foundations of the main house, one of the basement floors, the slave quarters, and the yard and vegetable garden areas. For the National Park Service (NPS).
- **Phase I A Assessment, DC National Guard, Washington, D.C.** Mr. O'Neill was Principal Investigator on three District of Columbia National Guard facilities, determining the potential for cultural resources. For the Aiken and Associates, Inc.

PAST PROFESSIONAL EXPERIENCE

Archaeologist/Historian, Parsons Inc., Fairfax, Va. Mr. O'Neill served as Field Director and Historian on Phase I, II, and III archaeological projects in Texas, Virginia, Maryland, Delaware, and Washington DC, directing excavations of both historic and prehistoric sites in urban and rural areas. From 1999 to 2003, Mr. O'Neill's projects included:

- **Archaeological Assessment, Union Station Parking Garage, Washington, D.C.** Project historian and archaeologist for EA to assess the potential for historic and prehistoric resources under the Union Station Parking Garage. For the Parsons Transportation Group (PTG).
- **Archival Research, DelDOT Cemetery Project, Delaware.** Project Historian conducting research on nine cemeteries on DelDOT projects in Kent and Sussex County, Delaware. For the Delaware Department of Transportation (DelDOT).
- **Archaeology and Historical Research, Jones Site, SR1, New Castle County Delaware.** Field Director for the Phase II evaluation and Phase III excavation of a small farm site dating to the late 1700s, including a brick clamp and barrel well. For the Delaware Department of Transportation (DelDOT).
- **Archaeology Assessment and Historical Research, Minnesota Avenue Extension Project, Washington, DC.** As the Field Director and Historian for this project, Mr. O'Neill helped draft an Environmental Assessment (EA) for the proposed extension of Minnesota Avenue between Sheriff Road and Eastern Avenue in Deanwood, DC. For the Washington Metropolitan Area Transit Authority (WMATA).
- **Archaeology Survey, Virginia National Guard, all sites in Virginia.** Mr. O'Neill was part of a team that assessed the cultural resource potential for each of the National Guard locations in Virginia. For the Department of the Army.
- **Historical Research, Con-Ed Project, New York City.** Collected historical images and background information for eleven Con-Ed Sites, producing 345 graphics in less than 2 weeks! For Consolidated Edison (Con-Ed).
- **Archaeology and Historical Research, New York Avenue Project, Washington, DC.** Field Director and Historian for the New York Metro Station looking for historic and prehistoric sites. For the Washington Metropolitan Area Transit Authority (WMATA).
- **Archaeological Survey, Fort Meyers Jogging Trail, Fort Myers, Virginia.** Field Director and Historian for a jogging trail from Fort Myers to the George Washington Memorial Parkway. For the Sterling Planning Group.
- **Archaeology Survey, Grist Mill Park, Fairfax County, Virginia.** Field Director and Historian on the site of Union Farm, one of George Washington's farms around Mount Vernon. Project consisted of locating the 1793 overseer's house and an 1850s Quaker barn foundation. For the Cultural Resource Protection Group, Fairfax County Park Authority (FCPA).
- **Archaeological Assessment, Dulles Light Rail Project, Fairfax and Loudoun Counties, Virginia.**

Field Supervisor assessing the potential for cultural resources within the proposed Dulles Light Rail Corridor. For the Washington Metropolitan Area Transit Authority (WMATA).

- **Archaeological Assessment, Georgetown Streetscape Project, Georgetown, DC.** Field Supervisor assessing the potential for intact cultural resources under sidewalks, streets and alleys. For Georgetown Development Committee.
- **Archival Research, Avtex Plant, Front Royal, Warren County, Virginia.** Conducted archival research on the WWII-era plant and historic setting of the surrounding area. For Avtex.
- **Archaeological Survey, Odessa Turn Lane Project, Odessa, Delaware.** Field Director and Historian on a late 19th century house and blacksmith site, producing a Phase III level report on a Phase I budget because of archival materials encountered during fieldwork. For the Delaware Department of Transportation (DelDOT).
- **Archaeology Survey and Historic Interpretation, Potomac River Trail, Fort Belvoir, Virginia.** Mr. O'Neill inherited the Potomac River Trail Project in the last three weeks of the project. Identifying problems and errors with the signage, he revamped the project keeping within the original budget and successfully impressed both the client and his employer. For the Directorate of Installation Support, Fort Belvoir.
- **Archival Research, Capital Power Plant, Washington DC.** Mr. O'Neill provided historical data for an Environmental Assessment for the proposed improvements for the Power Plant on South Capitol Street. For the Parsons Transportation Group (PTG).
- **Archaeological Survey, Bethuel Watson Farmstead, Milford, Delaware.** As Field Director, Mr. O'Neill conducted a survey for a water settlement pond off of the SR1 Highway Corridor on this site with few findings, allowing for the construction to proceed. For the Delaware Department of Transportation (DelDOT).
- **Historical Reconstruction, Middleford, Delaware.** Mr. O'Neill conducted detailed archival research on this small, early 19th century milling town, and in the report *Areconstructed@* the town by producing three dimensional maps as well as developing a large data base with data of residents covering a 100 year time period. For the Delaware Department of Transportation (DelDOT).

Archaeological Consultant. Mr. O'Neill, in the interim of full-time employment, has been involved with two small archaeological projects in Maryland and Virginia. The Friends of the Teackle Mansion, Princess Anne, Maryland, to confirm the identification of a possible 1805-1818 brick clamp hired him as a professional consultant. Mr. O'Neill was also provided professional consultation to the Sons of the Confederacy of Virginia on the Bristoe Station Battlefield west of Manassas, Virginia to locate graves of Confederate Soldiers from Camp Jones.

Garrison Historian, Fort Belvoir, Va. Mr. O'Neill served as the post Historian for the United States Army Garrison at Fort Belvoir from 2002-2003. Duties included Annual History Review, tours, articles for the post newspaper, Power Point Presentations to visiting groups and dignitaries on the history of the post, curation of the collections, and answering queries from the post commander and the public.

Archaeologist, R. Christopher Goodwin & Associates, Inc., Frederick, Md. Mr. O'Neill served as Field

Director on Phase I, II, and III archaeological projects in West Virginia, Maryland, Delaware, and Ohio, directing excavations of both historic and prehistoric sites in rural areas. From 1997 to 1999, Mr. O'Neill's projects included:

- **Archaeological Survey, ANR Pipeline, Ohio and Pennsylvania.** Mr. O'Neill served as a Field Director on this 400 mile pipeline cutting across northern Ohio and half of Pennsylvania. Working with crews of over 30 people, he was responsible for finding archaeological sites, re-routing the pipeline, as well as functioning as a land owner liaison, client contact, and involved with report development. For Mustang Engineering.
- **Archaeological Data Recovery, Old Baltimore Site, Aberdeen Proving Grounds, Maryland.** Crew Chief on the data recovery efforts at the second of three sites for the town of Baltimore dating to the late 1600s. Found several foundations and historic features in an area cleared for live ordinance. For United States Army.
- **Archaeological Testing, Cherry Point/Bogue Area, US Marine Base, Camp Legune, North Carolina.** Crew chief on testing phase archaeological investigations, after Hurricane Hugo ravaged area. Stripping resulted in finding Native American long houses and dozens of prehistoric pits. For the United States Marine Corps (USMC).

Archaeologist/Historian, Mariah & Associates, Inc. (now TRC Mariah), Austin, Texas. Mr. O'Neill served as field director, crew chief, public liaison, historian, human remains specialist, and public outreach contact on Phase I, II, and III archaeological projects in Texas, New Mexico, Oklahoma, Wyoming, Colorado, Idaho, and Louisiana, directing excavations of both historic and prehistoric sites in predominately rural areas. From 1989 to 1995, Mr. O'Neill's major projects included:

- **Archaeological Data Recovery, O.H. Ivie Reservoir Project, West Texas.** Mr. O'Neill started as a crew member and worked up to crew chief and field director on this 10,000 acre reservoir project. He conducted oral histories with local informants, ran crews up to fifty people, and investigated over 40 archaeological sites. For the Colorado River Municipal Water District.
- **Archaeological Testing, Gold Mining Town, Leesburg, Idaho.** As Field Director, Mr. O'Neill conducted investigations at this mid-1800s gold mining town and surrounding camps and placer deposits. The report was so well received by the client that the client paid for extra work even though the construction project was halted. For the FMC Gold Company.
- **Archaeological Survey and Testing, Fort Hood, Texas.** Mr. O'Neill served as a Field Director on this project, surveying thousands of acres of Fort Hood, and recording hundreds of sites along the rivers and streams, as well as in the canyons and hills, such as rock shelters. For the United States Army.
- **Archaeological Survey and Oral History Program, Falcon Reservoir, Zapata, Texas.** Mr. O'Neill conducted a shoreline survey of the Falcon Reservoir as well as developed an oral history program for the local residents, collecting data for the multi-year project. For the United States International Water and Boundary Commission (USIBWC).
- **Archaeology Survey, Texas Hill Country.** Mr. O'Neill was Field Director on this project surveying 70

miles of powerline corridor and recording both prehistoric and historic sites in an untapped portion of west central Texas. For the Central Texas Electric Cooperative (CTEC) of Fredericksburg, Texas.

Archaeological Data Recovery, Nez Perce National Forest, Pittsburg Landing, Idaho. Mr. O'Neill was a crew chief for the University of Washington in Hell's Canyon on several proto-historic Nez Perce sites.

Archaeological Data Recovery, Addison Plantation, John Milner & Associates, Inc. (now JMA), Alexandria, Virginia. Mr. O'Neill served as a field technician at the Addison Plantation near Oxen Hill, Maryland in 1987 and 1988. Work included excavations of the large late 18th century manor as well as a mid-18th century residence with a basement/cellar. For the Naval Complex Corporation.

Archaeological Data Recovery, Fort Union National Fur Trading Post, Williston, North Dakota. Mr. O'Neill served as crew chief for two summers in 1987 and 1988 at Fort Union, John Jacob Astor's largest fur trading post in the United States. Duties including training volunteers, excavation of the 1828 palisade wall, bastions, and displays at the fur trading rendezvous. For the National Park Service.

Archaeological Data Recovery, Army Hospital Latrine, Fort Riley, Kansas. Mr. O'Neill was a field technician excavating the mid-1800s latrine, recovering thousands of artifacts from 1858-1871. He also was involved with laboratory analysis and produced a paper for a professional conference.

PUBLICATIONS

- *Images of America: Mount Vernon.* Arcadia Publishing of Mount Pleasant, South Carolina, 2003.
- Plank Road Saved Camp A.A. Humphreys in Harsh 1918 Winter. Article for the *Belvoir Eagle*, March 13, 2002.
- Dogue Creek Bridge Opened New Access to South Post in 1958. Article for the *Belvoir Eagle*, March 6, 2003.
- Centuries Old Belvoir Manor Still "beautiful to see". Article for the *Belvoir Eagle*, December 12, 2002.
- Using Cartographic Resources to find George Washington's Union Farm. Article in the *Portolan*, Washington Map Society, Spring Issue, 2003.

PAPERS

- The Ratcliffe Cemetery. Presented at the Archaeological Society of Virginia Conference, October 2004, Lexington, Virginia.
- An Early 19th-century Brick Clamp at the Teackle Mansion, Princess Anne, Maryland. Co-authored with Kathie Gonick, presented at the Mid-Atlantic Archaeological Association Conference at Rehoboth Beach, Maryland in April 2004
- Archaeological Investigations at Arlington House. Presented at the Mid-Atlantic Archaeological Association Conference at Rehoboth Beach, Maryland in April 2004; the Northern Virginia Chapter of the Archeological Society of Virginia in April, 2004, Arlington Round Table, Arlington, Virginia June 2004;

Arlington Historical Society, Arlington, Virginia September 2004.

- Images of America: Mount Vernon. Presented at the Java Jolt meeting of the Old Town Alexandria Archaeology, February 2004 and the Richmond Chapter of the Archeological Society of Virginia.
- The History and Archaeology of George Washington's Union Farm. Presented to the Mount Vernon Archaeology Division, August 2002.
- Near Where Stood An Old House - A Late 18th Century Delaware Brick Clamp. Presented to the Archaeological Society of Delaware, 2000; Society of Historic Archaeology, 2001; Mid-Atlantic Archaeological Conference, 2001.
- The Fort Riley Army Hospital Latrine - It's a Crappy Job But Somebody Has To Do It! Presented to the Northern Virginia Chapter of the Archaeological Society of Virginia.
- Hi, Ho, Silver, No Way - Mineral Wealth, Land Speculation, and the Development of West Texas. Presented to the Society of Historic Archaeology, 1999.
- Land Tract Patternization and the Colonization of Texas. Presented to the Society of Historic Archaeology Conference, 1997.
- German-Texan Farmsteads and Their Impact on the West Texas Landscape. Presented to the Society for Historic Archaeology Conference, 1996.
- Nineteenth Century German-Texan Architecture of West Central Texas. Presented to the Society for Historic Archaeology Conference, 1995.
- The Need for Detailed Primary Archival Research in Historic Archaeology. Presented to the Society for Historic Archaeology Conference, Vancouver, 1994.
- A History of the Day Ranch through Archival, Architectural, and Archaeological Data. Presented to the Plains Anthropology Conference, 1992.
- A Bison Processing Station in West Central Texas. Presented to the Plains Anthropology Conference, 1990.
- Leather Articles from the Fort Riley Army Hospital Latrine. Presented to the Plains Anthropology Conference, 1985.

PUBLIC LECTURES

- Treasures Under the Ground: Archaeology Excavations at Arlington House. Presented to the Arlington Historical Society, Arlington, Virginia September 2004.
- The War of 1812 in Northern Virginia. Presented to the Arlington Historical Society, 2003. Assistant to LTC Sherman Pratt (retired).

Patrick L. O'Neill - 7

- The History of Fort Belvoir. @ Presented to the 249th Prime Power Battalion, Fort Belvoir, Virginia, 2002.
- Historical Archaeology for Beginners. @ Presented to the Junior Archaeology Campers Workshop, Iron Hill Museum, Newark, Delaware, 1999.
- The 1840s Empresario Contracts and the Colonization of West Texas." Guest Speaker to University Class on Texas History per request of Dr. Gary Nall, West Texas A&M University, Canyon, Texas, 1995.

RESUME

**Edward Otter
1704 Camden Avenue
Salisbury, Maryland 21801
(410) 572-5993**

Education

- 2002 Ph.D., Anthropology/Archaeology
 Catholic University of America, Washington D.C.
- 1989 Catholic University of America, Washington D.C.
 Master of Arts in Anthropology/Archaeology
- 1980 University of Delaware, Newark, Delaware
 Bachelor of Arts in Anthropology

Honors

- 1982 Commendations received on answers to Masters Comprehensive Examination.
- 1982-1984 Catholic University student representative to the Anthropological Society of Washington Board of Directors
- 1981-1982 Catholic University Scholarship
- 1980-1981 Catholic University Scholarship
- 1978-1980 President, University of Delaware Anthropology Club

Capabilities

Over 25 years experience in archaeology in the Middle Atlantic United States. Work during this period has involved prehistoric and historic sites and all levels of expertise from field crew to Principal Investigator. Responsibilities have included project design and implementation, field and laboratory supervision, artifact analysis, archival research, report writing, site interpretation to the public, field and classroom instruction, and faunal analysis.

Experience

2004 6427,	Principal Investigator – Phase 1b archaeological study, Cell tower location Mt, Ephraim, New Jersey
2004	Principal Investigator – Phase 1b archaeological study, Cell tower location Millstone
2004	Principal Investigator – Phase 1b archaeological study, Cell tower location Mullica Hill
2004	16 Due Diligence projects for various clients in Delaware
2004	Principal Investigator – 33 cell tower locations in New Jersey
2003	Principal Investigator - Phase I Survey, Lochwood subdivision, Sussex County, Delaware.
2003	Principal Investigator - Due Diligence, Ritter Tract, Sussex County, Delaware.
2003	Principal Investigator - Due Diligence, Keller Property, Sussex County, Delaware
2003	Principal Investigator - Due Diligence, Skiba Property, Sussex County, Delaware.
2003	Principal Investigator - Due Diligence, Banks Property, Sussex County, Delaware.
2003	Principal Investigator - Due Diligence, Ellis Point tract, Sussex County, Delaware.
2002	Principal Investigator - Cemetery Delineation, Sparrow/Byrd Cemetery, Sussex County, Delaware.
2002	Principal Investigator - Cemetery Delineation, Lank Cemetery, Sussex County, Delaware.
2002	Principal Investigator - Phase II Archaeological Assessment, Revitz Tract, Howard County, Maryland.
2002	Principal Investigator - Due Diligence, Warrington Tract, Sussex County, Delaware
2002	Principal Investigator - Due Diligence, Diegidio Tract, Sussex County, Delaware
2002	Principal Investigator - Due Diligence, Robinson Tract, Sussex County, Delaware

2002	Principal Investigator - Phase I Archaeological Survey, Revitz Tract, Howard County, Maryland.
2002	Principal Investigator - Due Diligence, Marine Farm, Sussex County, Delaware.
2001	Principal Investigator - Cultural Resource Assessment of Sussex County Airport, Georgetown, Delaware.
2001	Principal Investigator - Due Diligence Cannery Village project, Milton, Delaware
2001	Principal Investigator - Due Diligence Paynter's Purchase project, Lewes, Delaware
2001	Principal Investigator - Due Diligence Five Points project, Lewes, Delaware
2000	Principal Investigator - Cemetery delineation, Seaford, Delaware.
2000	Principal Investigator - Cemetery delineation, Selbyville, Delaware
1999	Principal Investigator - Radar Site 11, Sussex County, Delaware. Documentation of a World War II radar installation.
1999	Principal Investigator - Bear Trap, Sussex County, Delaware. Phase I survey of 75 acres required for Army Corps wetland permit
1999	Principal Investigator - Americana Bayside, Sussex County, Delaware. Phase I survey of 1200 acres required for Army Corps wetland permit
1999	Principal Investigator - Piscataway Park, Prince Georges County, Md. Limited excavations for Accokeek Foundation prior to capital improvements. Work required on Federal land.
1999	Principal Investigator - Georgetown Airport, Georgetown, Delaware. Historic potential assessment.
1998	Principal Investigator - 132 Charles Street, Annapolis, Maryland. Phase I archaeological survey required for construction permit.
1998	Principal Investigator - 101 Conduit Street, Annapolis, Maryland. Phase I archaeological survey required for construction permit.
1998	Principal Investigator - Broomes Island Road substation, Calvert County, Maryland Phase I assessment for an electric substation.
1997	Principal Investigator - Piscataway Park water well line, Prince Georges County, Maryland. Phase I survey for a new water line.

- 1997 Principal Investigator - Barefoot Acres Valley Lee Tap, St. Mary's County, Maryland. Phase II archaeological assessment of four sites along a power line right of way.
- 1997 Principal Investigator - Whitehaven Hotel, Wicomico County, Maryland. Archaeological assessment under Maryland Historical Trust easement.
- 1997 Principal Investigator - Bethany Dunes, Ocean View, Delaware. Phase I/II archaeological assessment.
- 1997 Principal Investigator - Cross Creek, Calverton, Prince George's County, Maryland. Phase II Archaeological Assessment.
- 1997 Principal Investigator - Lakeview, Prince Georges County, Maryland. Phase II archaeological assessment.
- 1997 Principal Investigator - Blades, Delaware. Phase I Archaeological survey.
- 1996 Exhibit Designer - 120 Years of Delmarva History. Designed archaeological exhibit for the Talbot County Historical Society Museum, Easton, Maryland.
- 1996 Principal Investigator - Pemberton Hall, Salisbury, Wicomico County, Maryland. Detailed archaeological excavation of outbuilding foundations to gather information relevant to reconstructing the buildings.
- 1996 Principal Investigator - Lighthouse Sound, Ocean City, Worcester Maryland. Phase I archaeological survey.
- 1996 Principal Investigator - Search for Graves, Old Town Hall, Poolesville, Maryland.
- 1995 Principal Investigator - Shore Erosion Control Project, Patuxent River Naval Air Station, Lexington Park, Maryland. Phase I archaeological survey.
- 1995 Principal Investigator - Phase I survey, Ridge Business Center, Anne Arundel County. Conducted to comply with county subdivision regulation.
- 1995 Principal Investigator - Phase I survey and Phase II assessment at Kingsview Village, Germantown, Montgomery County, Maryland.
- 1995 Principal Investigator - New Pool Site, George Mason University. Phase I and Phase II study of a site proposed for a new swimming pool. Late 19th century site located and evaluated
- 1995 Faunal Analyst - Ephrata Cloister. Analyzed material from an 18th century context.
- 1995 Principal Investigator - FEMA Cultural Resource Management Plan, Emmittsburg, Md. Prepared a cultural resource management plan for the National Emergency Training Center, Emmittsburg, Md.

- 1995 Principal Investigator - Ellen Wilson Housing Project, Washington D.C. Phase I archaeological survey prior to re-use of the Ellen Wilson Housing Project site.
- 1995 Principal Investigator - National Emergency Training Center, Emmittsburg, Md. Phase I, Phase II archaeological survey and assessment.
- 1994 Archaeologist - East End Survey, Washington, D.C. Archaeologist on a team with architectural historians under contract to survey the East End neighborhood, Washington, D.C.
- 1994 Principal Investigator - Virginia Properties, Woodbridge, Va. Phase I survey on selected portions of a large development tract.
- 1994 Principal Investigator - Greenwell State Park, St. Mary's County, Md. Phase I survey prior to park improvements.
- 1994 Principal Investigator - Circle Terrace Hospital, Alexandria, Virginia. Phase I survey prior to development in a historic preservation district
- 1994 Principal Investigator - Darnestown Cemetery Study. Searched for and located a 19th century cemetery on a development tract to protect it from accidental disturbance.
- 1994 Faunal Analyst - 46JA80, Jackson County, West Virginia. Analyzed faunal remains recovered from an early 19th century site.
- 1994 Archaeologist - Virginia Beach historic preservation plan. Part of a team of architectural historians and planners contracted to develop a historic preservation plan for the City of Virginia Beach, Virginia.
- 1994 Archaeologist - D.C. Transportation Study. Part of a team developed to investigate transportation related cultural resources within the District of Columbia.
- 1994 Principal Investigator - PAX River Naval Air Station Microwave site. Phase I (70 acres) prior to construction of a military facility.
- 1994 Principal Investigator - Ben Lomond House Kitchen Yard. Phase II level investigations in search of the original kitchen area.
- 1994 Principal Investigator - McKee Beshers Wildlife Management Area, Montgomery County, Maryland. Phase I survey of 5.7 acres.
- 1994 Principal Investigator - Montpelier Accessory buildings, Howard County, Maryland. Phase I survey of early 20th century site with standing structures.
- 1994 Principal Investigator - 12th & W. Street, N.W. Washington, D.C. Phase I study.
- 1994 Faunal Analyst - Ephrata Cloister, Ephrata, Pennsylvania. Analysis of 18th, 19th and 20th century deposits from a filled cellar.

- 1994 Principal Investigator - Howards Inheritance, Annapolis, Md. Phase II/III investigation of archaeological deposits around a standing structure.
- 1993 Principal Investigator - Old Hall of Records, Annapolis, Maryland. Phase I survey at St. Johns College campus.
- 1993 Principal Investigator - Laurel Branch Site, Charles County, Maryland. Investigation of architectural details of 18th century house.
- 1993 Faunal Analyst - 44FX544, the Taft Site, Fairfax County, Virginia. Analysis of Faunal material.
- 1993 Faunal Analyst - 46JA72, the Ripley Site. Jackson County, West Virginia. Analysis of Faunal material.
- 1993 Principal Investigator - Compton Substation, Centreville, Virginia. Archaeological Monitoring of construction site.
- 1993 Principal Investigator - Choptank Electric Cooperative Warehouse Site, Denton, Maryland. Archaeological Monitoring of construction site.
- 1993 Principal Investigator - Beall Dawson House. Phase II study prior to library renovations.
- 1993 Principal Investigator - Proposed National Cemetery, Medina County, Ohio. Phase I survey.
- 1993 Principal Investigator - Patuxent Naval Air Station, St. Marys County, Maryland. Phase I Survey.
- 1993 Principal Investigator - George Mason University, Fairfax, Virginia. Phase I Survey.
- 1993 Archaeological Predictive Model work for Annapolis, Maryland. Early stage research to identify resources.
- 1993 Archaeological Predictive Model for Northern Shaw-Striver neighborhood, Washington, D.C. Involves limited testing assisted by community volunteers. Prepared in conjunction with Traceries, Inc. Washington, D.C.
- 1992 Principal Investigator - Nanjemoy Nature Reserve, Charles County, Maryland. Phase I/II survey of 57 acres prior to capital improvements.
- 1992 Principal Investigator - Choptank Fishing Pier, Cambridge, Maryland. Phase II survey prior to shore erosion control project.
- 1992 Principal Investigator - Dingmans Falls, Delaware Water Gap National Recreation Area, Pennsylvania. Phase I survey prior to park improvements.
- 1992 Principal Investigator - Health Care Finance Administration Facilities, Woodlawn, Maryland. Phase I survey prior to as part of an Environmental

Impact Statement.

- 1992 Principal Investigator - Ben Lomond House, Manassas, Virginia. Monitored trench excavations for cultural resources.
- 1992 Principal Investigator - Orchard Street Church, Baltimore, Maryland. Documented a well discovered during renovation work.
- 1992 Principal Investigator - TDWR Site 5, Leesburg, Virginia. Phase I survey of a .52 acre site proposed for a weather radar station.
- 1992 Principal Investigator - Anne Arundel Community College. Phase I survey of part of the new west campus prior to development.
- 1991 Principal Investigator - Gunpowder Falls State Park. Phase II Study in two areas of a large prehistoric site.
- 1991 Site Supervisor - Virginia State Penitentiary. Phase III excavations of the Benjamin Latrobe designed penitentiary building built in 1800. Documented architectural details and cultural features. (Telemarc Inc.).
- 1991 Principal Investigator - Lick Creek Site 1B and A2. Phase I archaeological survey at Dante, Virginia in two areas proposed to be flooded by dam construction. (U.S. Soil Conservation Service, Richmond Office).
- 1991 Principal Investigator, Beall-Dawson House excavations. Public (all volunteer) project designed to archaeologically investigate the Beall-Dawson property and to increase public awareness of archaeological resources within Montgomery County. (Montgomery County Historical Society Library), Rockville, Maryland.
- 1991 Tutu Archaeological Project, Volunteer and volunteer coordinator, St. Thomas, U.S. Virgin Islands.
- 1990 Faunal Analyst - 36MR5, Mercer County, Pennsylvania
- 1990-1991 3D/Environmental Services, Inc.
Principal Investigator/Archaeology Chief archaeologist for the Alexandria office. Responsible for proposal preparation, research design and project coordination including archival research, field work, report writing, budget controls and customer liaisons.
- 1991 Principal Investigator - Columbia Gas Pipe Line Corporation's Gas pipeline replacement project in Wetzel County, West Virginia
- 1990 Principal Investigator - Columbia Gas Pipe Line Corporation's Pedricktown Measuring Station Project, Pedricktown, New Jersey.
- 1990 Principal Investigator - Commonwealth Center cultural resources assessment, Chesterfield County, Virginia.
- 1990 Cultural Resources Specialist - Pentagon Renovation Masterplan,

Arlington, Virginia

- 1990 Principal Investigator - Transcontinental Gas Pipe Line Corporation, Carlstadt Loop Phase I archaeological survey, Bergen County, New Jersey
- 1990 Principal Investigator - Columbia Gas Transmission Corporation's Mount Joy Loop pipeline project, Lancaster County, Pennsylvania
- 1990 Cultural Resources Specialist - DOT Headquarters Consolidation Project, Washington, D.C.
- 1990 Cultural Resources Specialist - ASD-Tomorrow Headquarters Consolidation, Wright Patterson Air force Base, Dayton, Ohio
- 1990 Principal Investigator - Columbia Gas Transmission Corporation's Project 90-BAA-42, Raleigh County, West Virginia.
- 1990 Principal Investigator - Columbia Gas Transmission Corporation's Part Relocation Project, Wayne County, West Virginia.
- 1990 Principal Investigator - Columbia Gas Transmission Corporation's Vepco Project, Clay, Randolph and Hardy counties, West Virginia.
- 1990 Principal Investigator - Columbia Gas Transmission Corporation's Piedmont Project, Clay and Randolph Counties, West Virginia
- 1989-1990 Engineering Science, Inc.
Senior Archaeologist. Responsible for proposal preparation, research design and project coordination including archival research, field work, report writing, budget controls and customer liaisons.
- 1990 Project Manager - St. Johns Episcopal Church, Centreville, Virginia. Cemetery delineation study.
- 1989 Project Manager - Ragged Point, Westmoreland County, Virginia. Cultural Resources Preliminary Assessment
- 1989 Project Manager - Desellum Cemetery Study, Gaithersburg, Maryland
- 1989 Project Manager - Martin State Airport, Middle River, Maryland. Phase I Survey
- 1989 Project Manager - 2915 King Street, Alexandria, Virginia. Archival and Phase I Archaeological Survey.
- 1989 Project Manager - Quartz Quarry Phase II study Reston, Virginia
- 1989 Project Manager - Stewarts Contrivance, Fairfax, Virginia. Archival and Archaeological assessment of potential resources and the determination of cemetery boundaries.
- 1987-1989 United States Army Corp of Engineers, Baltimore District
Staff Archaeologist, Responsible for research design, implementation and

other duties in relation to Cultural Resource studies required as part of Environmental Impact Statements.

- 1988 Principal Investigator - Curwensville Lake and Sayers Lake Cultural Sensitivity Survey. Mostly Archival research with a site visit.
- 1987 Principal Investigator - Fennel Point Bulkhead permit review. Designed and implemented field work to comply with permit regulations.
- 1987 Field Assistant - Army Corp of Engineers Headquarters project. Archaeological Survey of a portion of Fort Belvoir, Fairfax County, Virginia.
- 1986-1988 Private Contractor.
Contracted for archaeological field and laboratory studies. This involved all levels of work.
- 1988 Principal Investigator - Faunal Analysis. Sang Run Site, Garrett County, Md. Sorted, identified and analyzed faunal material including floatation samples and compiled results with previous Sang Run study.
- 1988 Principal Investigator - Faunal Analysis Sang Run site, Garrett County, Md. Sorted, identified, and analyzed prehistoric faunal material.
- 1988 Principal Investigator - Faunal Analysis Riley Site, Calvert County, Md. Sorted, identified and analyzed prehistoric faunal material.
- 1988 Faunal Analyst - Analyzed faunal material from the Patuxent Point Phase III work performed by Thunderbird Research Corporation.
- 1987 Principal Investigator - Patuxent Point Survey, Calvert County, Maryland. Phase I survey. Designed, implemented and reported the results of a phase I survey. Project completed for CRJ Associates, Camp Springs, Md.
- 1987 Principal Investigator - Faunal Analysis. Mattapany-Sewell, St. Marys County, Md. Sorted, identified and analyzed historic faunal material.
- 1986 Principal Investigator - Faunal Analysis. 18CV55, Calvert County, Md. Sorted, identified and analyzed historic faunal material.
- 1986 Maryland Historic Trust, Jefferson Patterson Park and Museum. Project Archaeologist Responsible for designing and implementing field studies for 247 acre tract, including historic Harveytown, Myrtle Point, St. Marys County, Md.
- 1985 University of Delaware Center for Archaeology Research. Various duties included faunal analysis, field crew chief and artifact cataloger.
- 1985 Artifact Cataloger - Cataloged artifacts recovered during the salvage operations of the HMS DeBraak (sunk 1796) and escorted them to shore facilities for curation. Lewes, Delaware.
- 1985 Faunal Analyst - Nace Site, Lancaster County, Pennsylvania

1985 Crew Chief - Route 896 Survey, New Castle County, Delaware. Phase I/II survey.

1985 Faunal Analyst - Block 1191 Wilmington, Delaware.

1984 Maryland Geological Survey
Crew Member, performed assigned excavation duties.

1984 Crew Member - Oxon Hill Phase II study, Prince Georges County, Maryland.

1984 Crew Member - Route 2/4 Phase II project, Calvert County, Maryland.

1980-1984 Thunderbird Archaeological Research
Duties varied from crew member to Project Manager. Included all aspects of laboratory and field work including field school instruction.

1984 Field Director - Kessler Site, Warren County, Va. Phase II testing. Also used as field school site.

1983 Assistant Field Director - Springdale, Frederick County, Va. Excavations at the first Euroamerican settlement in the Winchester area.

1983 Assistant Field Director - Belle Grove Plantation, Frederick County, Va. tested proposed parking lot area for potentially important archaeological deposits.

1983 Assistant Investigator - DARCOM assessment. Archival study of four military bases for archaeological potential.

1983 Field Director - Allegheny Power Company Utility Line survey. Phase I survey, Allegheny County, Md.

1983 Faunal Analyst - Appalachian Power Company Utility Line phase II study.

1983 Crew Member - Appalachian Power Company Utility Line Phase II project. Henry, County, Va.

1982 Crew Member - Neabsco and Powells Creek Survey, Prince William County, Va.

1982 Crew Member - Southern Maryland Electric Company Utility Line Survey, Phase I, St. Marys County, Md.

1981 Laboratory Director - Cabin Run Mitigation project.

1981 Crew Member - Railroad Park Phase I Survey, Railroad, Pa.

1981 Crew Member - Cabin Run Mitigation Project, Front Royal, Va.

- 1981 Crew Member - East Street Extended Phase I Survey, City of Frederick, Frederick County, Md.
- 1981 Crew Member - Tamora Mitigation. Howard County, Md.
- 1980 Crew Member - Cat Rock Run Phase I Survey, Howard County, Md.
- 1980 Crew Member - Mitchell Park Phase I Survey, District of Columbia.
- 1980 Crew Member - Front Royal Sewer Phase I Survey, Front Royal, Va.
- 1980 Site Supervisor/Tour guide - Corral site, Front Royal, Va.
- 1979-1980 University of Delaware Archaeology Laboratory.
Duties included research, site form completion, computer coding archaeological site data, field work and other duties as assigned.
- 1980 Crew Member - Wilgus Site, Sussex County, Delaware
- 1979-1980 Laboratory Assistant - Assisted Dr. Jay Custer in his research and laboratory processing.
- 1979 Laboratory Assistant - Worked for Dr. Peter Roe sorting and marking Caribbean ceramics.

Other Archaeological Experience

- 1999 Principal Investigator - Williams Conquest, Somerset County, Md. Testing of early 18th century house yard prior to building an addition.
- 1999 Principal Investigator - Fassit House, Worcester County, Md. Testing of early 18th century house yard.
- 1997 Principal Investigator - Oxford Project, Oxford, Talbot County, Maryland. Archaeological testing conducted as part of Maryland Archaeology Month.
- 1996 Principal Investigator - Homestead Site, Easton Maryland. Conducted with Talbot County Historical Society.
- 1991 Volunteer Director - Archaeological Society of Maryland survey of West River/Rhodes River Area, Anne Arundel County, Md. This is part of a consortium effort with the Maryland Underwater Archaeology program, the University of Maryland, and Anne Arundel County office of Planning and Zoning.
- 1990 Project Archaeologist - Beall-Dawson House Archaeological Study. All volunteer excavation at the Montgomery County Historical Society Museum, Rockville, Maryland (performed as a member of the Archaeological Society of Maryland)
- 1989 Principal Investigator - Faunal Analysis. Cabin Run Sites. (Masters Thesis)

- 1989 Volunteer - Chapel Point Excavations. Archaeological Society of Maryland Field project, Charles County, Maryland
- 1986 Assistant Team Leader - National Park Service National Register of Historic Places. Computerization project of the National Register of Historic Places. Duties included monitoring progress, insuring correctness of coding, solving problems and dealing with archaeological nominations.
- 1986 Volunteer - Popes Creek Site Excavations Archaeological Society of Maryland Field Project, Charles County, Maryland
- 1985-1982 Laboratory Manager - Catholic University of America Archaeology Laboratory. Maintained library, report files and equipment, allotted equipment and space as needed, supervised all laboratory work, supervised volunteers, disbursed publications and various other duties.
- 1984 Social Science Technician - National Park Service National Register of Historic Places. Sole archaeologist on a team of 14 assembled to computerize the National Register of Historic Places. Work included coding nomination, creating new codes and coding rules.
- 1984 Volunteer - Locust Neck Excavations. Archaeological Society of Maryland Field project, Dorchester County, Md.
- 1980 Site interpreter - Gave tours of the Corral Site with interpretive comments and general prehistoric background of the region, Thunderbird Museum, Front Royal Virginia.
- 1979 Field School - (University of Delaware) Liston House, New Castle County, Delaware.
- 1976 Field School, (University of Delaware) Tweeds Mill, New Castle County, Delaware.

Teaching Experience

- 1997,-2001 Adjunct Faculty, Salisbury State University, Salisbury Maryland
Historical Archaeology of Maryland's Eastern Shore
- 2001 Adjunct Faculty, Salisbury State University, Salisbury, Maryland
North American Indians
- 1996 Prehistoric Artifact Identification. Chesapeake College, Queen Anne County, Maryland. Continuing Education course.
- 1996 Faunal Analysis Workshop. Part of Workshops in Maryland Archaeology sponsored by the Maryland Historical Trust.
- 1995 Faunal Analysis Workshop. Part of Eleventh Annual Workshops in Archaeology sponsored by the State Museum of Pennsylvania.
- 1995 Faunal Remains Workshops. Part of Workshops in Maryland Archaeology sponsored by the Maryland Historical Trust.

- 1995 Faunal Remains Introduction and Workshop. Presented as part of the Archaeological Society of Virginia field technician certification program, Fairfax, Virginia. (Videotaped)
- 1995 Late 19th Century food ways and the implications for interpreting archaeologically derived faunal materials. Presented to the Northern Virginia Chapter of the Archaeological Society of Virginia.
- 1995 Workshop on faunal remains. Presented to the Southwest Chapter of the Archaeological Society of Maryland.
- 1994 Faunal Remains Workshop. Part of Tenth Annual Workshops in Archaeology sponsored by the State Museum of Pennsylvania.
- 1994 Workshop of faunal remains. Presented to the Harford County Chapter of the Archaeological Society of Maryland.
- 1991 Faunal analysis workshop presented to the Archaeological Society of Maryland Anne Arundel Chapter.
- 1990 "Ed Does Bones" Presented to the Archaeological Society of Maryland Central Chapter.
- 1985 Teaching Assistant - Rise of Civilizations
- 1985 Teaching Assistant - Exploration, Excavation, Explanation. An introduction to archaeological laboratory and field methods.
- 1984 Teaching Assistant - Rise of Civilizations
- 1984 Teaching Assistant - Introduction to Human Evolution
- 1984 Field Director, Kessler Site. Test excavations of a stratified Woodland site conducted as part of Catholic University Archaeological Field School.
- 1983 Assistant Field Director Springdale, Frederick County, Va. Excavations at the first Euroamerican settlement in the Winchester area conducted for Winchester Parks department as a field school opportunity for the public.
- 1983 Teaching Assistant - Introduction to Human Evolution

Papers Presented

- 2004 Feasts, Status, and Bones. Presented to the Middle Atlantic Archeological Conference, Rehoboth Beach, Delaware.
- 1997 Faunal Analysis of material from the Bloomsbury Site, Kent County, Delaware. Middle Atlantic Archaeological Conference, Ocean City, Maryland.
- 1994 Archaeological Survey at Friendship Landing, Charles County Maryland. Presented to the Southwest chapter of the Archeological Society of Maryland

- 1994 Archaeological Survey at Friendship Landing, Charles County Maryland. Presented to the Anne Arundel chapter of the Archeological Society of Maryland
- 1994 Prehistoric Overview of the Potomac Piedmont. Presented as part of a symposium for Maryland Archaeology Week.
- 1993 Archaeological Delineation of Cemeteries. Presented to the Coalition for the Protection of Maryland Burials.
- 1993 Prehistory of Southern Maryland and Current archaeological work at Friendship House. Presented at Charles County Community College as part of Maryland Archaeology Week.
- 1992 Prehistory of Southern Maryland. Presented at Point Lookout State Park to a public forum.
- 1990 "Ed Does Bones" Presented to the Archaeological Society of Maryland Central Chapter.
- 1990 "Bones for Archaeologists" Presented to the Archaeological Society of Maryland Southwest Chapter.
- 1989 Faunal analysis in archaeology. Presented to the Archaeological Society of Virginia Northern Chapter.
- 1989 "The Archaeological Potential of Montgomery County" presented to the Gaithersburg Historic Preservation Advisory Committee.
- 1986 "Myrtle Point Survey Preliminary Report" Paper presented to the Archaeological Society of Maryland, Jefferson Patterson Park and Museum.

Professional Societies

Society for American Archaeology
 Society for Historical Archaeology
 Middle Atlantic Archaeological Conference (President 2000 - 2002)
 Archaeological Society of Maryland (life member)(past President of Southwest Chapter)
 Archaeological Society of Delaware
 Archaeological Society of Virginia (life member)
 New Jersey Archaeological Society (life member)

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB

3060-1039

Estimated Time Per Response:

.5 to 10 hours

Attachment 2. Additional Site Information

Describe any additional structures, access roads, utility lines, fences, easements, or other construction planned for the site in conjunction with the proposed facility

The Subject Property consists of an approximate 6.01-acre lot that is developed with an electric utility transmission substation on the northwest portion of the parcel. The electric transmission components are secured behind a barbed wire and wood fence with landscaped grounds surrounding. The substation is located in a rural agricultural area in Ashburn, Loudoun County, Virginia. Ashburn is located in northern Virginia, and the Subject Property is approximately eight miles southeast of downtown Leesburg.

Nextel Communications proposes to construct a tower facility on the northern portion of the parcel, along the eastern boundary of the substation fence line. The proposed facility will consist of a 130-foot monopole equipped with an eight-foot lightning rod, bringing the overall height of the tower to 138 feet. Nine antennas will be mounted at a radial center height of 130 feet. The tower, along with a 12-foot by 20-foot equipment shelter, cabinets, and generator pad, will be located within a 50-foot by 65-foot compound. The compound will be enclosed by an eight-foot tall wooden fence. Access to the tower compound will be provided via the existing gravel access road and turnaround for the electrical substation.

Please refer to the Site Plans for the proposed project, which are included in Attachment 12, Maps.

Attachment 3. Tribal and NHO Involvement

At an early stage in the planning process, the Nationwide Agreement requires the Applicant to gather information from appropriate Indian Tribes or Native Hawaiian Organizations ("NHOs") to assist in the identification of historic properties of religious and cultural significance to them. Describe measures taken to identify Indian tribes and NHOs that may attach religious and cultural significance to historic properties that may be affected by the undertaking within the Areas of Potential Effects ("APE") for direct and visual effects. If such Indian tribes or NHOs were identified, list them and provide a summary of contacts by either the FCC, the Applicant, or the Applicant's representative. Provide copies of relevant documents, including correspondence. If no such Indian tribes or NHOs were identified, please explain.

EBI completed the Tower Construction Notification System (TCNS) on April 27, 2007. The attached FCC Notification email lists the Tribes identified through the TCNS process. Follow up correspondence, if necessary, will be completed via the methods listed on the attached email considered acceptable to that Tribe.

Talla Gilmore

From: towernotifyinfo@fcc.gov
Sent: Friday, April 27, 2007 3:00 AM
To: ssagan@ebiconsulting.com
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #1535734

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribes"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribes and in making further contacts, the City and State of the Seat of Government for each Tribe and NHO, as well as the designated contact person, is included in the listing below. We note that Tribes may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribes and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribe or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribes and NHOs who have set their geographic preferences on TCNS. If the information you provided relates to a proposed antenna structure in the State of Alaska, the following list also includes Tribes located in the State of Alaska that have not specified their geographic preferences. For these Tribes and NHOs, if the Tribe or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribe or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event such a Tribe or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribe or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. Chief Leo R Henry - Tuscarora Nation - Via: Lewistown, NY - regular mail

Exclusions: If the Applicant/tower builder receives no response from the Tuscarora Nation within 30 days after notification through TCNS, the Tuscarora Nation has no interest in participating in pre-construction review for the site. The Applicant/tower builder, however, must IMMEDIATELY notify the Tuscarora Nation in the event archaeological properties or human remains are discovered during construction.

2. Policy Analyst Richard L Allen - Cherokee Nation - Tahlequah, OK - electronic mail

Exclusions: The TCNS Details do not provide me enough information to conduct a proper assessment of the projects on behalf of the Cherokee Nation. Therefore, I request that I be sent a brief summary of the Phase I findings [please try to limit the summary to between 1--10 pages], a topo of the area, and relevant photos. Please send these by email to rallen@cherokee.org. Please treat this request for additional material as a routine supplement to the TCNS Details Notification for each of your projects that fall within our Tribe's areas of geographic interest. Consequently, if you do not receive a response from me within 30 days from the date on which you e-mailed the supplemental items to me, you may move forward with the 20-Day Letter procedures pursuant to the FCC's guidelines. Thank you. -- Dr. Richard L. Allen

3. NAGPRA Coordinator Lisa C Stopp - United Keetoowah Band of Cherokee Indians - Tahlequah, OK - electronic mail and regular mail

Exclusions: If the applicant/tower builder receives no response from the United Keetoowah Band within 30 days after notification through TCNS, the United Keetoowah Band has no interest in participating in pre-construction review for the proposed site. In addition, we do not have

4/27/2007

NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NO... Page 2 of 5

an interest in participating in pre-construction reviews for collateral projects or other projects where there is no ground disturbance. The Applicant/tower builder, however, must immediately notify the Tribe/NHO in the event archaeological properties, human remains, associated or unassociated funerary items or other artifacts are discovered during construction, consistent with applicable law.

Lisa C. Stopp, Acting Tribal Historic Preservation Officer
918-456-9200

If the applicant/tower builder receives no response from the United Keetoowah Band of Cherokee Indians within 30 days after notification through TCNS, the United Keetoowah Band of Cherokee Indians has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the United Keetoowah Band of Cherokee Indians in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

4. Administrative Assistant Jo Ann Beckham - Eastern Shawnee Tribe of Oklahoma - Seneca, MO - electronic mail

Exclusions: If you, the Applicant and/or tower constructor, do not receive a response from us, the Eastern Shawnee Tribe of Oklahoma, within 30 days from the date of the TCNS notification, then you may conclude that we do not have an interest in the site. However, if archeological resources or remains are found during construction, you must immediately stop construction and notify us of your findings in accordance with the FCC's rules. (See 47 C.F.R. § 1.1312(d))

5. THPO & Tribal Administrator Rebecca A Hawkins - Shawnee Tribe - Miami, OK - electronic mail and regular mail

Exclusions: THIS IS YOUR OFFICIAL NOTICE THAT THE SHAWNEE TRIBE IS INTERESTED IN CONSULTING ON YOUR TOWER.

ATTENTION, NEW INFORMATION: Our mailing/physical address has changed to: 29 South 69A Highway. Our phone number (918-542-2441) and historic preservation fax line (918-542-9915) remain the same. Rebecca Hawkins is the Tribe's THPO; Belinda Pryor, Assistant THPO, handles cell tower consultation.

Beginning 26 June 2006, all of the faxed responses of our final comments on a tower site will contain the signature of either Assistant THPO Belinda Pryor or THPO Rebecca Hawkins. Each final comment fax is signed individually. Copies may be compared, for authentication, against the original in our files. If a final comment fax does not contain one of these two signatures, it is not valid. ALL FINAL COMMENTS FROM THE SHAWNEE TRIBE THPO ARE WRITTEN; FINAL COMMENTS ARE NEVER PROVIDED VERBALLY. IF THE SHAWNEE TRIBE IS CREDITED WITH HAVING GIVEN A VERBAL RESPONSE, THAT RESPONSE IS NOT VALID.

If you receive notification through the TCNS listing the Shawnee Tribe, that is an indication that the Shawnee Tribe is interested in consulting on the tower for which that notification was received. Please consider that our official indication of interest to you. The Shawnee Tribe considers the Tower Construction Notification System's weekly e-mail to be the first notification that we receive that a tower will be constructed in an area of our concern. We do not view the TCNS notification as completion of 106 consultation obligations.

The Shawnee Tribe has developed streamlined consultation procedures for cell tower developers and their subcontractors. If you do not have a copy of the procedures - most recently updated on 1 November 2006 - please contact us, as you must follow these procedures to consult with us on cell tower projects. Call us at 918-542-2441 or fax us at 918-542-9915. It is the towerbuilder's responsibility to make sure that you have our most recent consultation procedures.

The Shawnee Tribe wishes to review co-location projects ONLY IF new ground disturbance is anticipated (such as from an expanded compound or access road, or construction of an ancillary structure). The Shawnee Tribe does NOT wish to review co-location projects where no new ground disturbance is anticipated.

PLEASE DO NOT SEND US INFORMATION, QUERIES, OR COMMENTS ELECTRONICALLY. SINCE 1 DECEMBER 2005, WE HAVE NOT HANDLED ANY CELL TOWER CONSULTATION CORRESPONDENCE VIA E-MAIL.

6. THPO and Director Dr. Wenonah G Haire - Catawba Cultural Preservation Project - Rock Hill, SC - regular mail

Exclusions: The Catawba Indian Nation Tribal Historic Preservation Office requests that you send us by regular mail the following information needed to complete our research for the your proposed project:

Project Name _____

4/27/2007

Project Number _____

- _____ 1. The name, complete address, phone number, fax number and e-mail address of the project manager.
- _____ 2. The project location plotted on a USGA 7.5 topo map.
- _____ 3. The project name, address and location; street or highway, city, county, state.
- _____ 4. A brief description of the proposed project. Please include the size of the proposed project site and the size of the area where ground-disturbing activities will be taking place and the type of disturbance anticipated. Please include the height of towers.
- _____ 5. A brief description of current and former land use. We are primarily interested in ground disturbance and do not need detailed information or photographs of historic structures in the project area.
- _____ 6. A list of all recorded archaeological sites within one mile of the project area.
- _____ 7. A list of all eligible and potentially eligible National Register of Historic Places sites within one mile of the proposed project area.
- _____ 8. If there has been an archaeological survey done in the area, a copy of that report.
- _____ 9. It is not necessary to send original color photos if you can provide high-resolution color copies.
- _____ 10. A letter of concurrence from the appropriate State Historic Preservation Office.

If you use the FCC Form 620, please do not send Attachments 1 through 6. They are not necessary for our determination. We do not have an interest in projects that require no ground disturbance.

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

7. SHPO Lisa Burcham - Historic Preservation Office - Washington, DC - electronic mail

8. Environmental Review Coordinator Renee GledhillEarley - NC State Historic Preservation Office - Raleigh, NC - electronic mail

4/27/2007

9. Deputy SHPO David Brook - Historic Preservation Office - Raleigh, NC - electronic mail
10. Manager - Office of Review & Compliance Ethel R Eaton PhD - Department of Historic Resources - Richmond, VA - electronic mail
11. Deputy SHPO Susan M Pierce - West Virginia Division of Culture & History, Historic Preservation Office - Charleston, WV - electronic mail and regular mail
12. Deputy SHPO Susan Pierce - West Virginia Division of Culture & History, Historic Preservation Office - Charleston, WV - electronic mail

"Exclusions" above set forth language provided by the Tribe, NHO, or SHPO. These exclusions may indicate types of tower notifications that the Tribe, NHO, or SHPO does not wish to review. TCNS automatically forwards all notifications to all Tribes, NHOs, and SHPOs that have an expressed interest in the geographic area of a proposal, as well as Tribes and NHOs that have not limited their geographic areas of interest. However, if a proposal falls within a designated exclusion, you need not expect any response and need not pursue any additional process with that Tribe, NHO, or SHPO. Exclusions may also set forth policies or procedures of a particular Tribe, NHO, or SHPO (for example, types of information that a Tribe routinely requests, or a policy that no response within 30 days indicates no interest in participating in pre-construction review).

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your obligations in the event that Tribes do not respond to this notification within a reasonable time.

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 04/24/2007

Notification ID: 26850

Tower Owner Individual or Entity Name: Nextel Communications of the Mid-Atlantic, Inc.

Consultant Name: Shaun Sagan

Street Address: EBI Consulting

6876 Susquehanna Trail South

City: York

State: PENNSYLVANIA

Zip Code: 17403

Phone: 717-428-0401

Email: ssagan@cbiconsulting.com

Structure Type: POLE - Any type of Pole

Latitude: 39 deg 1 min 36.0 sec N

Longitude: 77 deg 27 min 24.2 sec W

Location Description: 21260 Smiths Switch Road

City: Ashburn

State: VIRGINIA

County: LOUDOUN

Ground Elevation: 79.2 meters

Support Structure: 39.6 meters above ground level

Overall Structure: 42.1 meters above ground level

Overall Height AMSL: 121.3 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

4/27/2007

<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,
Federal Communications Commission

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB

3060-1039

Estimated Time Per Response:

.5 to 10 hours

Attachment 4. Local Government

- a. Has any local government agency been contacted and invited to become a consulting party pursuant to Section V.A. of the Nationwide Agreement? If so, list the local government agencies contacted. Provide a summary of contacts and copies of any relevant documents (*e.g.*, correspondence or notices).

The Loudoun County Department of Planning has been notified of the proposed project and has been invited to indicate whether they are interested in consulting further on the proposed project. A copy of the notice sent to the local government office is attached.

- b. If a local government agency will be contacted but has not been to date, explain why and when such contact will take place.

N/A

April 27, 2007

Ms. Judy Pastor, Director
c/o Loudoun County Department of Planning
P.O. Box 7000
MSC 62
Leesburg, Virginia 20177-7000

Subject: Invitation to Comment in Section 106 Consultation Process
VA3891A/Jakboub
21260 Smiths Switch Road, Ashburn, Virginia 20147
EBI Project #61071562

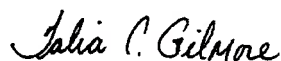
Dear Ms. Pastor:

In accordance with FCC NEPA rules and Section 106 of the NHPA, the above-referenced telecommunications project is being evaluated by EBI for its potential effects to districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture that are listed, or potentially eligible for listing in the National Register of Historic Places (NRHP). Based on EBI's review of the characteristics and location of the proposed project, the project does not meet the exclusions stated in the "Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission," dated September 2004, ("Nationwide Agreement"); therefore, the project is required to undergo Section 106 review with the State Historic Preservation Office.

This letter is to invite the Loudoun County Department of Planning to review the attached plans for a proposed telecommunications facility to be located at the address noted above. The proposed facility will be a new 130-foot monopole with an eight-foot lightning rod, twelve panel antennas, and a 12-foot by 20-foot equipment shelter located within a 50-foot by 65-foot fenced compound.

On behalf of *Nextel Communications of the Mid-Atlantic, Inc.*, we are inviting comment on the project's potential effects to districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture that are listed, or potentially eligible for listing in the NRHP. We would appreciate any comments you wish to provide regarding the potential effects of the proposed facility on any historic property in a letter directed to the address noted above within the next 30 days. Please do not hesitate to contact us if you have any questions or concerns about the proposed project.

Respectfully Submitted,



Ms. Talia C. Gilmore
Author/Staff Scientist
Tel: 717-428-0401 ext. 1218
Fax: 717-428-0403
tgilmore@ebiconsulting.com

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB

3060-1039

Estimated Time Per Response:

.5 to 10 hours

Attachment 5. Public Involvement

Describe measures taken to obtain public involvement in this project (*e.g.*, notices, letters, or public meetings). Provide copies of relevant documentation.

Attached please find a copy of the legal notice regarding the proposed telecommunications installation that was posted in the Loudoun Times-Mirror on April 25, 2007. As of the date of this letter, no comments regarding this notice have been received by either EBI or the Applicant. Should a response be received, copies will be forwarded as an addendum to this submission packet.

PUBLIC NOTICE

Nextel Communications of the Mid-Atlantic, Inc. d/b/a Nextel Communications proposes a new wireless communications facility to be located at 21260 Smith Switch Road, Ashburn, VA 20147. The proposed facility will be a new 130' monopole with an 8' lightning rod, 12 panel antennas, and a 12' x 20' equipment shelter located within a 50' x 65' fenced compound. Any comments regarding the potential effects of the proposed facility on any historic property should be directed to: 61071562-TCG c/o EBI Consulting, Mid-Atlantic Regional Office, 6876 Susquehanna Trail South, York, PA 17403, 717-428-0401.

4/25/07

1641850

NT SUBMISSION PACKET – FCC FORM 620

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3060-1039

Estimated Time Per Response:

.5 to 10 hours

Attachment 6. Additional Consulting Parties

List additional consulting parties that were invited to participate by the Applicant, or independently requested to participate. Provide any relevant correspondence or other documents.

Friends of the Washington & Old Dominion Trail
21293 Smith Switch Road
Ashburn, Virginia 20147-6016

April 27, 2007

Friends of the Washington and Old Dominion Trail
21293 Smiths Switch Road
Ashburn, Virginia 20147-6016

Subject: Invitation to Comment in Section 106 Consultation Process
VA3891A/Jakboub
21260 Smiths Switch Road, Ashburn, Virginia 20147
EBI Project #61071562

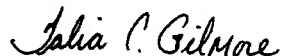
To Whom It May Concern:

In accordance with FCC NEPA rules and Section 106 of the NHPA, the above-referenced telecommunications project is being evaluated by EBI for its potential effects to districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture that are listed, or potentially eligible for listing in the National Register of Historic Places (NRHP). Based on EBI's review of the characteristics and location of the proposed project, the project does not meet the exclusions stated in the "Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission," dated September 2004, ("Nationwide Agreement"); therefore, the project is required to undergo Section 106 review with the State Historic Preservation Office.

This letter is to invite the Friends of the Washington and Old Dominion Trail to review the attached plans for a proposed telecommunications facility to be located at the address noted above. The proposed facility will be a new 130-foot monopole with an eight-foot lightning rod, twelve panel antennas, and a 12-foot by 20-foot equipment shelter located within a 50-foot by 65-foot fenced compound.

On behalf of *Nextel Communications of the Mid-Atlantic, Inc.*, we are inviting comment on the project's potential effects to districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture that are listed, or potentially eligible for listing in the NRHP. We would appreciate any comments you wish to provide regarding the potential effects of the proposed facility on any historic property in a letter directed to the address noted above within the next 30 days. Please do not hesitate to contact us if you have any questions or concerns about the proposed project.

Respectfully Submitted,



Ms. Talia C. Gilmore
Author/Staff Scientist
Tel: 717-428-0401 ext. 1218
Fax: 717-428-0403
tgilmore@ebiconsulting.com

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039
Estimated Time Per Response:
.5 to 10 hours

Attachment 7. Areas of Potential Effects

- a. Describe the APE for direct effects and explain how this APE was determined.

The APE for direct effects is limited to the area of potential ground disturbance and any property, or any portion thereof, which will be physically altered or destroyed by the Undertaking. Because the Subject Property consists of modern development, only those portions of the Subject Property where ground disturbance will take place are regarded as within the APE for Direct Effects.

The area of ground disturbance includes the portions of the property to be excavated for the tower compound, access road and utility run. These areas are described in Attachment 2. Please note that a proposed tower foundation typically extends approximately zero to 30 feet below grade. Additionally, the proposed equipment shelters, access road, and utility runs typically extend up to a depth of four feet below grade.

- b. Describe the APE for visual effects and explain how this APE was determined.

The APE for visual effects is the geographic area in which the Undertaking has the potential to introduce visual elements that diminish or alter the setting, including the landscape, where the setting is a character-defining feature of a Historic Property that makes it eligible for listing on the National Register. The presumed APE for visual effects for construction of new Facilities is the area from which the Tower will be visible: a. Within a half mile from the tower site if the proposed Tower is 200 feet or less in overall height; b. Within $\frac{3}{4}$ of a mile from the tower site if the proposed Tower is more than 200 but no more than 400 feet in overall height; or c. Within 1 $\frac{1}{2}$ miles from the proposed tower site if the proposed Tower is more than 400 feet in overall height.

Based upon EBI's walkover and windshield survey of the proposed Project Site and vicinity, as well as a review of appropriate topographic maps, and the general development of the project area, the tower, or portions thereof, has the potential to be visible from areas within the presumed APE. Due to the relatively flat nature of the area the tower may be visible from areas within 0.5 miles of the project site.

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039
Estimated Time Per Response:
.5 to 10 hours

Attachment 8. Historic Properties Identified in the APE for Visual Effects

- a. Provide the name and address (including U.S. Postal Service ZIP Code) of each property in the APE for visual effects that is listed in the National Register, has been formally determined eligible for listing by the Keeper of the National Register, or is identified as considered eligible for listing in the records of the SHPO/THPO, pursuant to Section VI.D.1.a. of the Nationwide Agreement.⁷

Based on EBI's review of the Virginia Department of Historic Resources (VADHR) online database on April 20, 2007, the following Historic Properties were identified within the APE for visual effects:

Historic Property Name	Address	Distance from Project Site
Washington & Old Dominion Railroad (DHR ID#053-0276-0001)	Arlington, Falls Church, Vienna, Etc.	Adjacent to parent parcel, approximately 0.05 mile (280 feet) southwest of the Project Site
Dairy Ruins, Route 607 (DHR ID#053-1103)	Route 607, 2.5 miles south of Route 7	Approximately 0.14 mile (745 feet) northwest of the Project Site

- b. Provide the name and address (including U.S. Postal Service ZIP Code) of each Historic Property in the APE for visual effects, not listed in Attachment 8a, identified through the comments of Indian Tribes, NHOs, local governments, or members of the public. Identify each individual or group whose comments led to the inclusion of a Historic Property in this attachment. For each such property, describe how it satisfies the criteria of eligibility (36 C.F.R. Part 63).

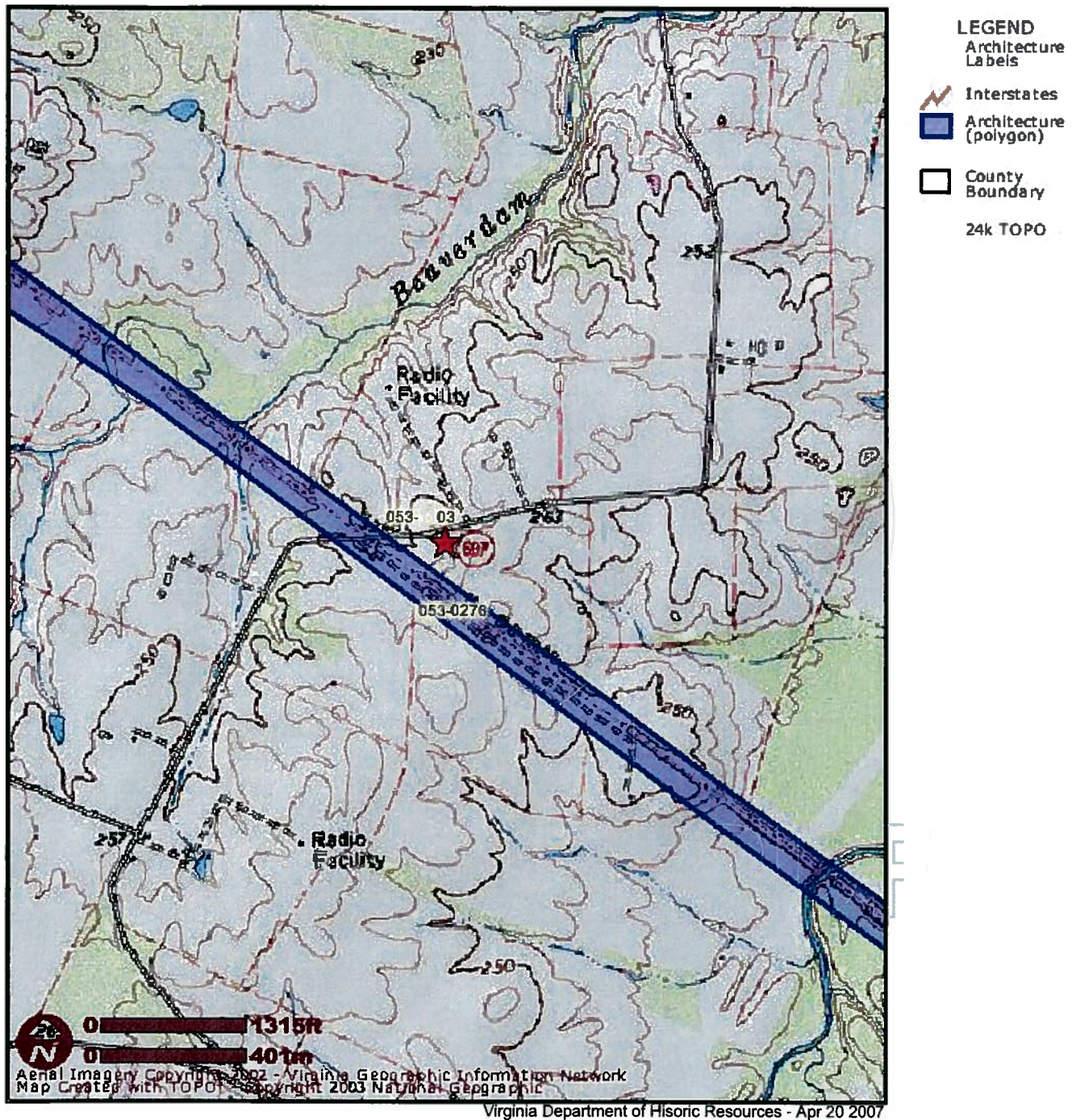
No additional Historic Properties have been identified.

- c. For any properties listed on Attachment 8a that the Applicant considers no longer eligible for inclusion in the National Register, explain the basis for this recommendation.

Based on a field inspection of the recorded location of the Dairy Ruins on Route 607 (DHR #053-1103), nothing remains of the "dairy barn and silo" that was documented as being threatened by structural failure in the DHR survey form completed in 1989 (see photo 19). Consequently, the Dairy Ruins are not recommended eligible for inclusion on the National Register.

⁷ Section VI.D.1.a. of the Nationwide Agreement requires the Applicant to review publicly available records to identify within the APE for visual effects: i) properties listed in the National Register; ii) properties formally determined eligible for listing by the Keeper of the National Register; iii) properties that the SHPO/THPO certifies are in the process of being nominated to the National Register; iv) properties previously determined eligible as part of a consensus determination of eligibility between the SHPO/THPO and a Federal Agency or local government representing the Department of Housing and Urban Development (HUD); and, v) properties listed in the SHPO/THPO Inventory that the SHPO/THPO has previously evaluated and found to meet the National Register criteria, and that are identified accordingly in the SHPO/THPO Inventory.

Virginia Department of Historic Resources Data Sharing System, 04/23/2007



NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039
Estimated Time Per Response:
.5 to 10 hours

Attachment 9. Historic Properties Identified in the APE for Direct Effects

- a. List all properties identified in Attachment 8a or 8b that are within the APE for direct effects.

Based on EBI's review of the Virginia Department of Historic Resources (VADHR) online database on April 20, 2007, no Historic Properties were identified within the APE for direct effects.

- b. Provide the name and address (including U.S. Postal Service ZIP Code) of each property in the APE for direct effects, not listed in Attachment 9a, that the Applicant considers to be eligible for listing in the National Register as a result of the Applicant's research. For each such property, describe how it satisfies the criteria of eligibility (36 C.F.R. Part 63). For each property that was specifically considered and determined not to be eligible, describe why it does not satisfy the criteria of eligibility.

No additional Historic Properties have been identified.

- c. Describe the techniques and the methodology, including any field survey, used to identify historic properties within the APE for direct effects.⁸ If no archeological field survey was performed, provide a report substantiating that: i) the depth of previous disturbance exceeds the proposed construction depth (excluding footings and other anchoring mechanisms) by at least 2 feet; or, ii) geomorphological evidence indicates that cultural resource-bearing soils do not occur within the project area or may occur but at depths that exceed 2 feet below the proposed construction depth.⁹

EBI contracted Edward Otter Incorporated to perform an evaluation of the proposed Project Site for the likelihood of containing archaeological resources. The evaluation for archaeological resources included a walkover field survey by a qualified archaeologist, in addition to a review of project plans and an evaluation of land features and documented historic and archaeological sites in the vicinity to determine the likelihood of resources being present in areas to be disturbed by *Nextel Communications*. Please see the attached Report documenting the findings of this project review by a qualified archaeologist. This report concludes that archaeological resources are not expected to be impacted by the construction of the proposed tower and installation of associated support equipment at the Project Site.

⁸ Pursuant to Section VI.D.2.a. of the Nationwide Agreement, Applicants shall make a reasonable and good faith effort to identify above ground and archeological historic properties, including buildings, structures, and historic districts, that lie within the APE for direct effects. Such reasonable and good faith efforts may include a field survey where appropriate.

⁹ Under Section VI.D.2.d. of the Nationwide Agreement, an archeological field survey is required even if none of these conditions applies, if an Indian tribe or NHO provides evidence that supports a high probability of the presence of intact archeological Historic Properties within the APE for direct effects.

ARCHAEOLOGICAL POTENTIAL:
CELL TOWER LOCATION: SMITH SWITCH ROAD SITE
LOUDOUN COUNTY, VIRGINIA

By Patrick L. O'Neill MA
& Edward Otter, PhD
Submitted by Edward Otter, Inc.

December 13, 2005

INTRODUCTION

An assessment of the potential for archaeological resources to exist at a future cell tower location was requested by Nextel. This work, required as partial fulfillment of section 106 of the National Historic Preservation Act of 1966, as amended, was conducted by Edward Otter, Inc.

The project area, identified as the Switch Road Site, is located in northeast Loudoun County, Virginia, three miles south of the Potomac River, and 1 1/2 miles south of Route 7 (Figure 1). The proposed tower location is 200 feet north of the Washington and Old Dominion Railroad Trail and adjacent to the east side of Switch Smith Road. The proposed access road follows a short curved driveway to an existing power substation. The footprint of the proposed tower is on a graded area between the access road and substation (Figure 2).

The proposed tower location is 1/3 mile from Beaverdam Run to the west and 3/4 mile from Broad Run to the east, both permanent water sources draining to the Potomac River. The site is on the west side of a dissected upland remnant between the two drainages, and covered with thin grasses and some exposed earth. Soils at the project area are defined as a poorly drained, undulating, Penn silt loam (Pn) (Porter et al. 1955).

After approximately 17,000 years of aboriginal occupation, European settlement began in Loudoun County region in the early to mid-eighteenth century. Northumberland was created in 1648 from York County, which was created in 1642 from Charles River County, an original 1634 shire (Bosze 1996). In 1664, Stafford County was created out of Westmoreland County, created in 1653. Prince William County was formed from King George and Stafford Counties in 1730. Fairfax County was formed from Prince William in 1742, with Loudoun County organized in 1757 out of western Fairfax County (Bosze 1996).

Early occupation was centered upon early trails and roads, as the Potomac River was not navigable for large ships. Roads were slowly developed and became more important during the late 18th century as numerous farms and estates were carved out of the wooded landscape. The Chesapeake and Ohio Canal was constructed in the 1820s, shipping goods to the Appalachian and Ohio River Valley regions. The Washington and

Old Dominion Railroad was built adjacent to the project area in the 1860s, and the landscape was dotted with dozens of farmhouses, but no industrial development. The agrarian lifestyle of the region has been continuous since the eighteenth century, but was developed largely after the tobacco industry began to wane, with wheat and corn as cash crops. The Civil War did nothing to alter the economic basis although there were numerous battles fought within the county. Only in the early to mid-twentieth century has development begun to alter the rural character of the county.

SCOPE OF WORK

Archival research was conducted at the Geography and Map Division of the Library of Congress, Washington, D.C. and the Virginia Department of Historic Resources (VDHR) in Richmond, Virginia to examine the known and potential archaeological resources that might exist within a one-mile radius of the project area. State and Federal site files, historic maps, and aerial photographs were examined. No archaeological fieldwork was conducted. A prediction as to whether the site has the potential to contain prehistoric materials was made based on the geographic setting and generalized knowledge of site locations based on prior archaeological works.

RESULTS

No archaeological surveys have been conducted within the boundaries of the project area, however, several have been conducted within one mile of the project area, including across Switch Smith Road a few hundred feet from the project area. As a result, several archaeological sites, both prehistoric and historic have been recorded within one mile of the project area.

A Phase 1 survey covering several hundred acres was located to the northwest of the current project area, and only an interim report is on file at the VDHR, inhibiting analysis (Espey, Huston, and Associates, Inc. 1989). The majority of the recorded sites from the 1989 survey were small prehistoric lithic scatters and nineteenth and twentieth century trash deposits. A late nineteenth century dairy farm (44LD447) was still standing across Switch Smith Road from the project area, but was not evaluated for the National Register of Historic Places (NRHP). The farm has since been razed. The prehistoric sites were on similar landform as the current project, but closer to Beaverdam Run.

A linear survey for the Loudoun County Parkway about 1/2 mile to the east of the proposed tower location found a mid-nineteenth to early twentieth century farmstead, an early twentieth century farmstead, and a disturbed prehistoric site, all not eligible for the NRHP (Jones 2003). However, a late eighteenth to twentieth century farmstead (44LD649) was found eligible.

A 218-acre survey on the east side of the Loudoun County Parkway found several prehistoric sites (44LD108, 44LD212, and 44LD647-652) that were recommended for avoidance or Phase II archaeological investigations all found on similar landforms and distances from water as the current project area (Outlaw et al. 2001a). Phase II

investigations on these sites determined that 44LD108, 44LD649, and 44LD650 were recommended for avoidance or further archaeological work (Outlaw et al. 2001b).

The proposed cell tower location is 1/3 mile from a permanent water source to the west and 1/2 mile to the east. Prehistoric sites have been found on the same landform and similar distances from permanent water sources. For these reasons, it is believed the project area has a moderate to high potential for containing prehistoric sites.

The potential for historic cultural resources in the project area is considered low. The road system was constructed by at least the Civil War but only a few residences were located in the area and none in the project boundaries (Hoffman 1864; USGS 1894; Figures 3 and 4). The coming of the railroad in the 1860s did not appear to stimulate much growth in the immediate region, and the land was still in cultivation by the late 1990s.

The surface of the project area resembles a mound surrounded by the down cut areas of the access road, Switch Smith Road, and substation fence. The once flat surface has been graded to produce the mounded effect, leaving only the very center of the project area with some, if any, integrity of an undisturbed soil profile. Since the area was in cultivation until the 1990s, even the integrity of the center of the project area is in doubt.

CONCLUSION

Because of the physiographic setting, it appears there is a moderate to high chance for prehistoric material to exist at the site. Prehistoric sites have been found on the same landform in the area and a sufficient supply of water existed within 1/3 mile to support prehistoric human occupation. However, most of the recorded prehistoric sites are in shallow deposits and the proposed tower location has been graded to the extent that probably no potential for prehistoric materials exists. The potential for historic archaeological sites is considered low. Maps and oral history indicate no buildings were constructed on the site. Additional archaeological work is not recommended for this location.

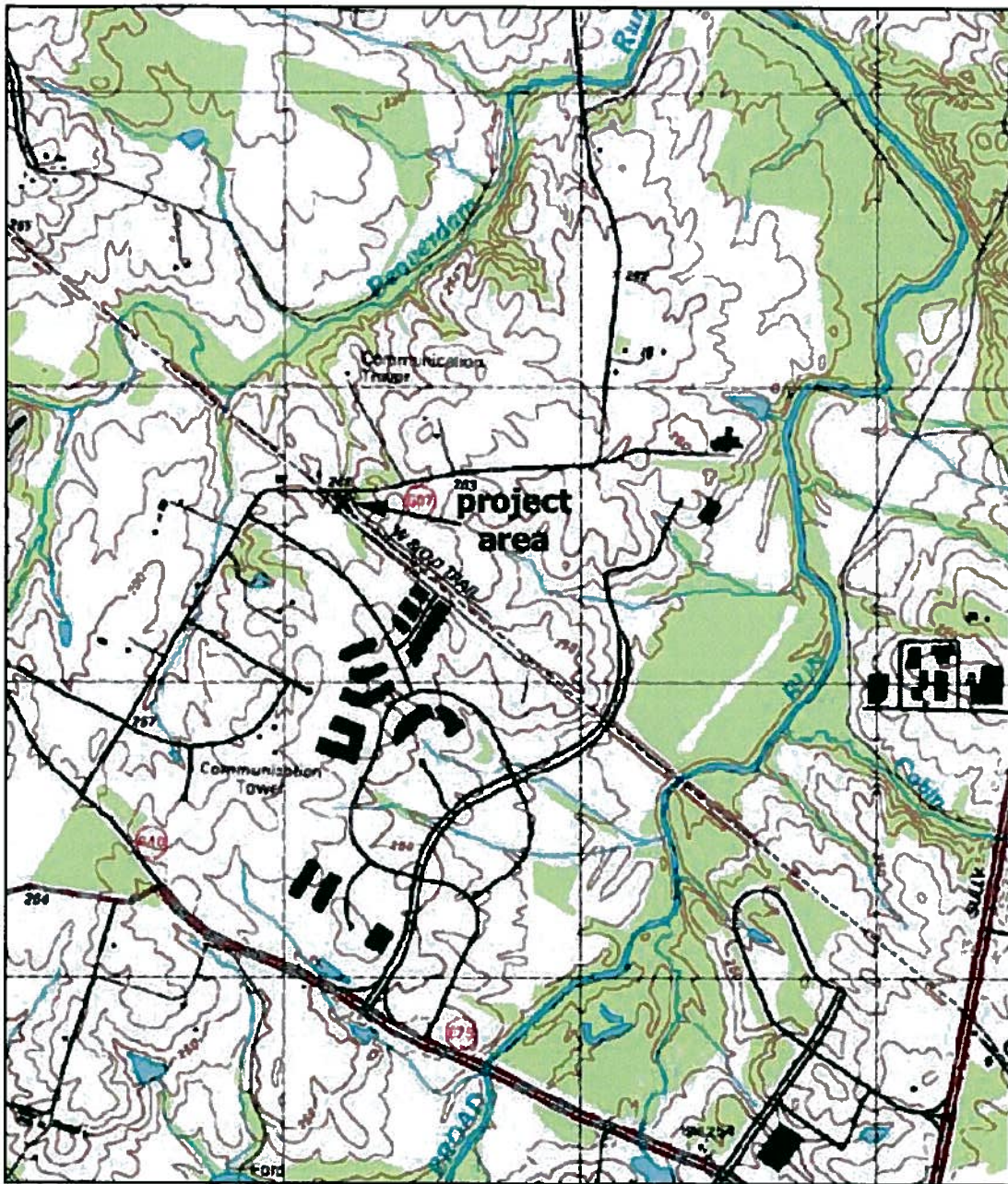


Figure 1: Proposed tower location (Sterling Quadrangle USGS map, from topozone.com)



Figure 2: Project area

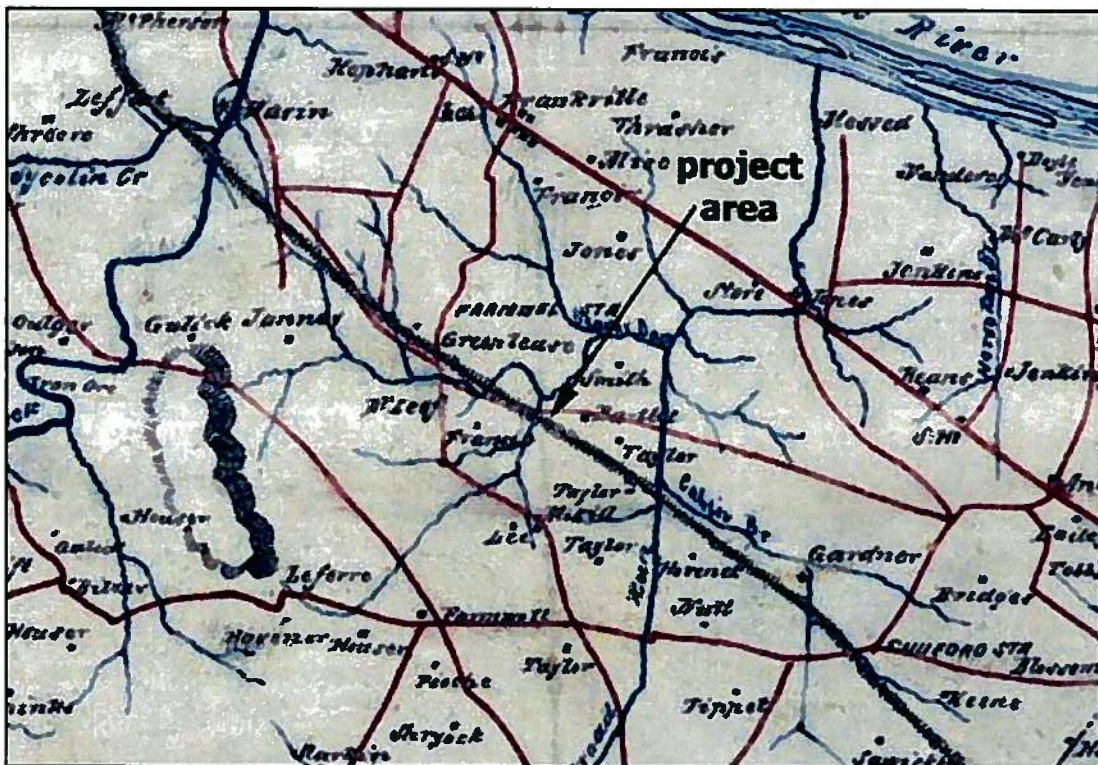


Figure 3: Project area during the Civil War (Hoffman 1864)

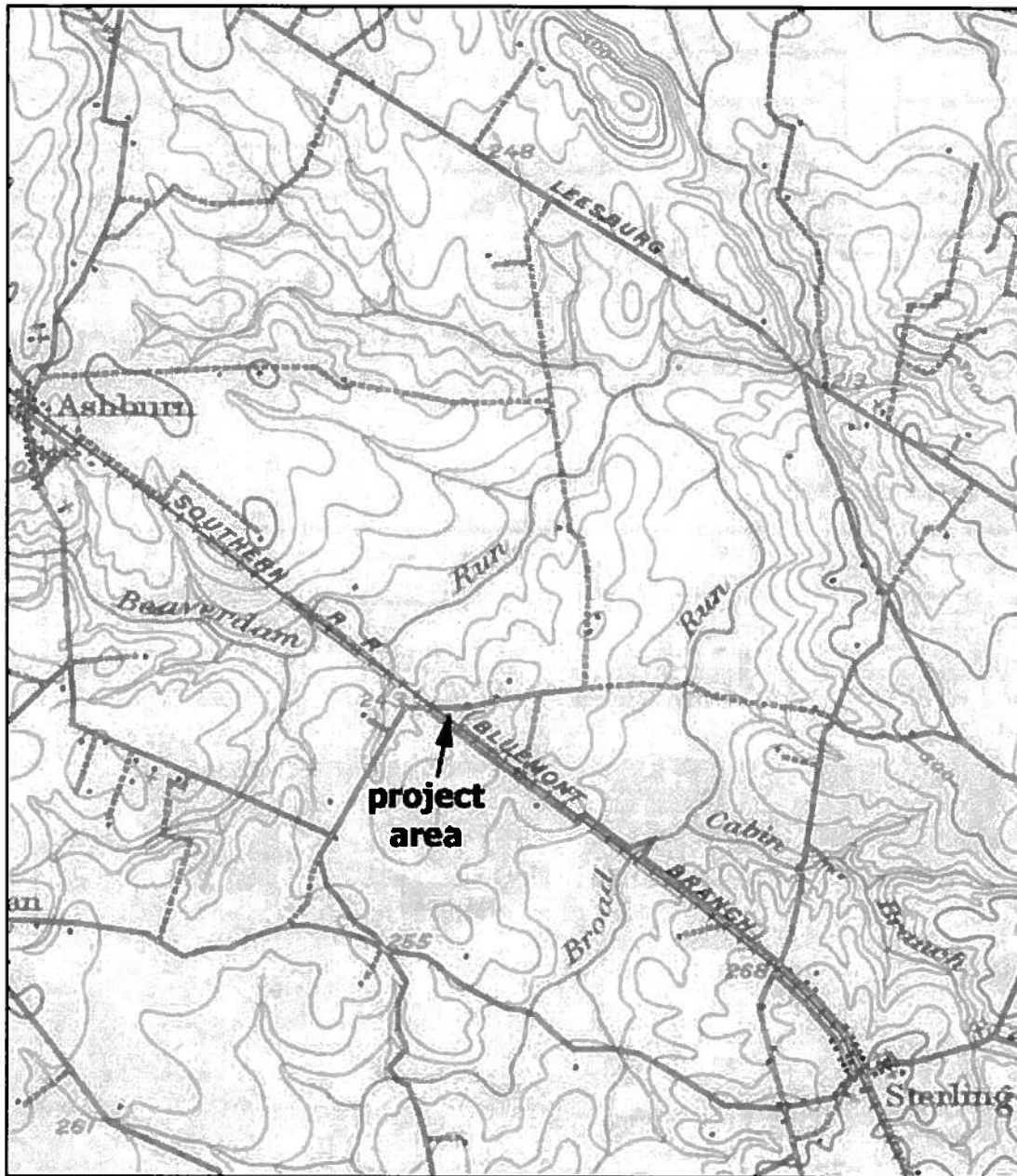


Figure 5: Project area in 1894 (USGS 1894)

REFERENCES

Bosze, Karen M.

1996 *History of Virginia and West Virginia Counties*. Online at <http://freepages.genealogy.rootsweb.com/~harrisonrep/Census/VAcounty.htm>.

Espey, Huston, and Associates, Inc.

1989 *Interim Report - Archaeological Survey of Portions of Ashburn Village Development, Loudoun County, Virginia*. Prepared for Huntley, Nyce and Associates, Inc. of Leesburg, Virginia.

Hoffman, J. Paul

1864 Map of Loudoun County and part of Clarke County, Va., Jefferson County and part of Berkeley County, W. Va., and parts of Montgomery and Frederick counties, Md. On file at the Geography and Map Division, Library of Congress, Washington, D.C. Online at <http://memory.loc.gov/ammem/browse/ListSome.php?category=Maps>.

Jones, Joe B.

2003 *Archaeological Survey of the Proposed Route 607 (Loudoun County Parkway) Project, Proposed Route 28 Corridor Improvements PPTA Project, Loudoun County, Virginia*. Prepared for Dewberry and Davis, LLC, of Fairfax, Virginia by William and Mary Center for Archaeological Research, Williamsburg, Virginia.

Outlaw, Alain C., Timothy E. Morgan, and Mary B. Clemons

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Porter, H.C., C.S. Coleman, W.J. Meyer, A.Y. Stokes, and A.G. Sherrell

1955 Soil Survey of Loudoun County, Virginia. United States Department of Agriculture, Washington, D.C.

United States Geological Survey (USGS)

1892 *Seneca Quadrangle*. 15' map, Washington D.C. On file at the Geography and Map Division, Library of Congress, Washington, D.C. Online at www.historical.maptech.com.

ARCHAEOLOGICAL PHASE 1 SURVEY:
CELL TOWER LOCATION: SMITH SWITCH SITE
LOUDOUN COUNTY, VIRGINIA

By Patrick L. O'Neill MA
& Edward Otter, PhD
Submitted by Edward Otter, Inc.

December 22, 2006

INTRODUCTION

A Phase I survey for archaeological resources at a future cell tower location was requested by Nextel and completed by Edward Otter, Inc. This report presents the goals, methods, and results of the archival and archaeological surveys completed for this project. A Phase 1A archaeological assessment indicated a low to moderate potential for the existence of prehistoric material to exist at the location and low to moderate potential for the existence of historic material. Recommendations were made for Phase 1B work at the site, which was approved by Nextel.

The archaeological survey is pursuant to Sections 106 and 110 of the National Historic Preservation Act of 1966, as amended, and the procedures for the Protection of Historic Properties (36 CFR 800). The completed work and this report conform to the guidelines contained in the *Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation* (Federal Register 48:190:44716-44742). The archaeologists associated with this project meet or exceed the qualifications set forth in the *Secretary of the Interior's Professional Qualifications and Standards* (Federal Register 48 44738-9; Appendix A).

The project area, identified as the Switch Road Site, is located in northeast Loudoun County, Virginia, three miles south of the Potomac River, and 1 1/2 miles south of Route 7 (Figure 1). The proposed tower location is 200 feet north of the Washington and Old Dominion Railroad Trail and adjacent to the east side of Switch Smith Road. The proposed access road follows a short curved driveway to an existing power substation. The footprint of the proposed tower is on a graded area between the access road and substation (Figure 2).

The proposed tower location is 1800 feet from Beaverdam Run on the west and 4000 feet from Broad Run on the east, both permanent water sources draining to the Potomac River. The site is on the west side of a dissected upland remnant between the two drainages, and covered with thin grasses and some exposed earth. Soils at the project area are defined as a poorly drained, undulating, Penn silt loam (Pn) (Porter et al. 1955).

After approximately 17,000 years of aboriginal occupation, European settlement began in Loudoun County region in the early to mid-eighteenth century. Charles River

County was an original 1634 shire and York County was formed from it in 1642 (Bosze 1996). In 1648, Northumberland County was created, in 1653, Westmoreland was formed, and in 1664, Stafford County was created. Prince William County was formed from King George and Stafford Counties in 1730. Fairfax County was formed from Prince William in 1742, with Loudoun County organized in 1757 out of western Fairfax County (Bosze 1996).

Early occupation was centered upon early trails and roads, as the Potomac River was not navigable for large ships. Roads were slowly developed and became more important during the late 18th century as numerous farms and estates were carved out of the wooded landscape. The Chesapeake and Ohio Canal was constructed in the 1820s, shipping goods to the Appalachian and Ohio River Valley regions. The Washington and Old Dominion Railroad was built adjacent to the project area in the 1860s, and the landscape was dotted with dozens of farmhouses, but no industrial development.

The agrarian lifestyle of the region has been continuous since the eighteenth century, but was developed largely after the tobacco industry began to wane, with wheat and corn as cash crops. The Civil War did nothing to alter the economic basis although there were numerous battles fought within the county and within a few miles of the project area. Only in the early to mid-twentieth century has development begun to alter the rural character of the county.

SCOPE OF WORK

The current investigation was to include background research, a site visit, and an archaeological field survey, if the research and site visit deemed it necessary. The objective of these tasks was to create an inventory of the cultural resources located within the project area and to determine preliminary data on the size, age, function, and integrity of these resources, if any. The background study provided contexts for recorded archaeological resource interpretation and evaluation. A prediction as to whether the site has the potential to contain prehistoric materials was made based on the geographic setting and generalized knowledge of site locations based on prior archaeological works.

METHODS

Archival Methods

Archival research was conducted at the Main Reading Room in the Jefferson Building and the Geography and Map Division in the Madison Building of the Library of Congress, Washington, D.C. Several cartographic resources from the G&M Division were found in-house as well as from online at one of their associated Internet websites. Additional cartographic resources were also checked at the Library of Virginia in Richmond and historical USGS maps were found online at www.historical.maptech.com.

Cartographic resources, archaeological site files, cultural resource project boundaries, and cultural resource reports at the Virginia Department of Historic

Resources (VDHR) in Richmond, Virginia, provided the in-depth details to examine the known and potential archaeological resources that might exist within a one-mile radius of the project area. A prediction as to whether the site had the potential to contain prehistoric materials was made based on the geographic setting and generalized knowledge of site locations based on prior archaeological works resulting from the archival analysis.

Archaeological Field Methods

The objective of this Phase I survey involves the identification of all archaeological resources within the project area. The survey included a systematic investigation of both surface and subsurface contexts. A pedestrian survey was conducted to determine if any of the project area could be excluded from subsurface investigations, determine if any cultural resources were visible on the surface, and to help in the placement of shovel test probes (STPs).

Subsurface investigations consisted of a series of STPs placed at 30-foot intervals within the 50 x 50-foot proposed tower location; there is no proposed access road for this site as it is adjacent to an existing road and utilities. STP excavation followed natural stratigraphy when possible, but arbitrary levels were used if a stratigraphic level was more than 1-foot in thickness. All excavated soils were screened through a 1/4-inch hardware cloth mesh resulting in systematic artifact recovery.

Soil texture was described with reference to standard definitions and descriptions of soil color. A standardized form recorded all pertinent information from each subsurface excavation. A digital camera was used to record significant aspects of the project area, such as field conditions and surface disturbance. Maps were drafted of the project area showing project boundaries and STP locations.

RESULTS

Archaeological Potential

No archaeological surveys have been conducted within the boundaries of the project area, however, several have been conducted within one mile of the project area, including across Switch Smith Road a few hundred feet from the project area. As a result, several archaeological sites, both prehistoric and historic have been recorded within one mile of the project area.

A Phase 1 survey covering several hundred acres was located to the northwest of the current project area, and only an interim report is on file at the VDHR, inhibiting analysis (Espey, Huston, and Associates, Inc. 1989). The majority of the recorded sites from the 1989 survey were small prehistoric lithic scatters and nineteenth and twentieth century trash deposits. A late nineteenth century dairy farm (44LD447) was still standing across Switch Smith Road from the project area, but was not evaluated for the National

Register of Historic Places (NRHP). The farm has since been razed. The prehistoric sites were on similar landform as the current project, but closer to Beaverdam Run.

A linear survey for the Loudoun County Parkway about 2500 feet east of the proposed tower location found a mid-nineteenth to early twentieth century farmstead, an early twentieth century farmstead, and a disturbed prehistoric site, all not eligible for the NRHP (Jones 2003). However, a late eighteenth to twentieth century farmstead (44LD649) was found eligible.

A 218-acre survey on the east side of the Loudoun County Parkway found several prehistoric sites (44LD108, 44LD212, and 44LD647-652) recommended for avoidance or Phase II archaeological investigations all found on similar landforms and distances from water as the current project area (Outlaw et al. 2001a). Phase II investigations on these sites determined that 44LD108, 44LD649, and 44LD650 were recommended for avoidance or further archaeological work (Outlaw et al. 2001b).

The proposed cell tower location is 1800 feet from a permanent water source to the west and 2500 feet to the east. Prehistoric sites have been found on the same landform and similar distances from permanent water sources. For these reasons, it is believed the project area had a moderate to high potential for containing prehistoric sites.

The potential for historic cultural resources in the project area was considered low. The road system was constructed by at least the Civil War but only a few residences were located in the area and none in the project boundaries (Hoffman 1864; USGS 1894; Figures 3 and 4). The coming of the railroad in the 1860s did not appear to stimulate much growth in the immediate region, and the land was still in cultivation by the late 1990s.

Archaeological survey was conducted because of the moderate to high potential for the presence of prehistoric to exist within the project area. A pedestrian survey found no foundations, features, artifacts or any items of archaeological interest that might aid in the placement of the STPs.

The surface of the project area resembled a mound surrounded by the sloping down cut areas of the access road, Switch Smith Road, and substation fence (see Figure 2). The once flat surface has been graded to produce the mounded effect, leaving only the very center of the project area with some, if any, integrity of an undisturbed soil profile. Since the area was in cultivation until the 1990s, even the integrity of the center of the project area was in doubt after the initial field inspection.

Five STPs were excavated within the small 50 x 50 foot proposed tower location (Figure 6). The profiles of all STPs are presented in Table 1 and contain a generalized soil profile throughout. The top level was a very thin and weak A-horizon topsoil over the natural undisturbed gravelly subsoil. No artifacts were recovered during the current investigations. No features relating to the prehistory or history of the property were found. Given the surface conditions, it is probable the original ground surface or old

plow zone was stripped and grass was either laid with sod or planted in the exposed subsoil.

CONCLUSION

Because of the physiographic setting, it appeared there was a moderate to high chance for prehistoric material to exist at the site. A sufficient supply of water existed 2500 feet from the project area, which could have supported prehistoric human occupation, but the lack of knowledge of prehistoric archaeological sites in the area inhibited further archival analysis. The potential for historic archaeological sites was considered low. Mid-nineteenth and early twentieth century maps indicated roads in the area but no structures directly within the project location.

Archaeological field work, including a pedestrian survey and five STPs, yielded no artifacts, features, or cultural anomalies. The area had been graded and only a thin A-horizon over the natural subsoil exists. No artifacts or archaeological sites were found. No additional archaeological work is recommended for this location.

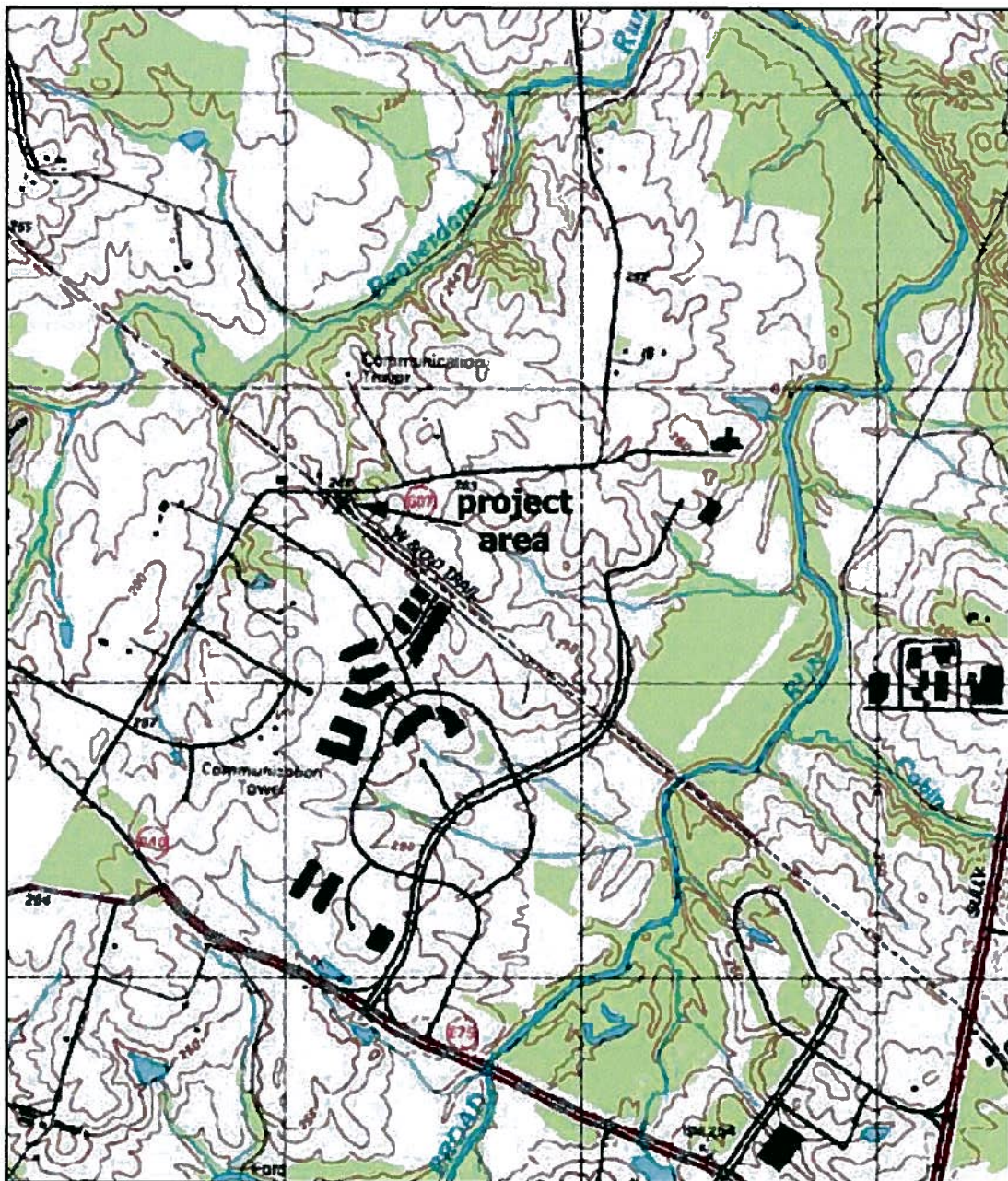


Figure 1: Proposed tower location (Sterling Quadrangle USGS map, from topozone.com)



Figure 2: Project area

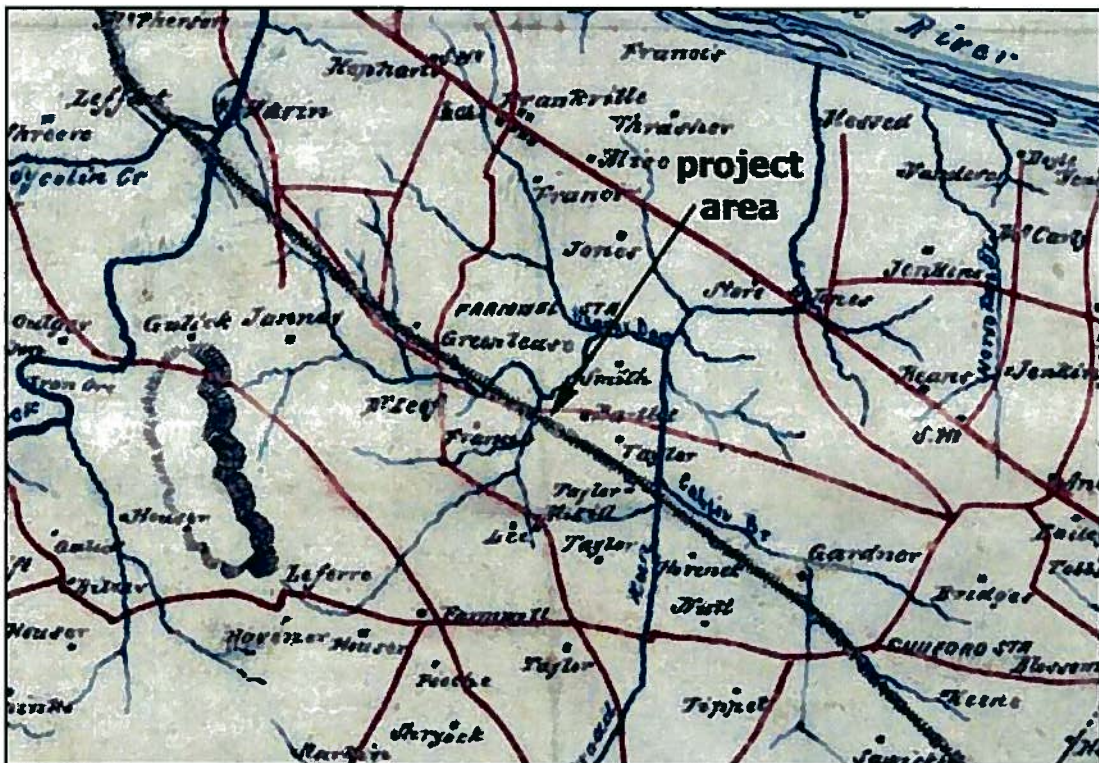


Figure 3: Project area during the Civil War (Hoffman 1864)

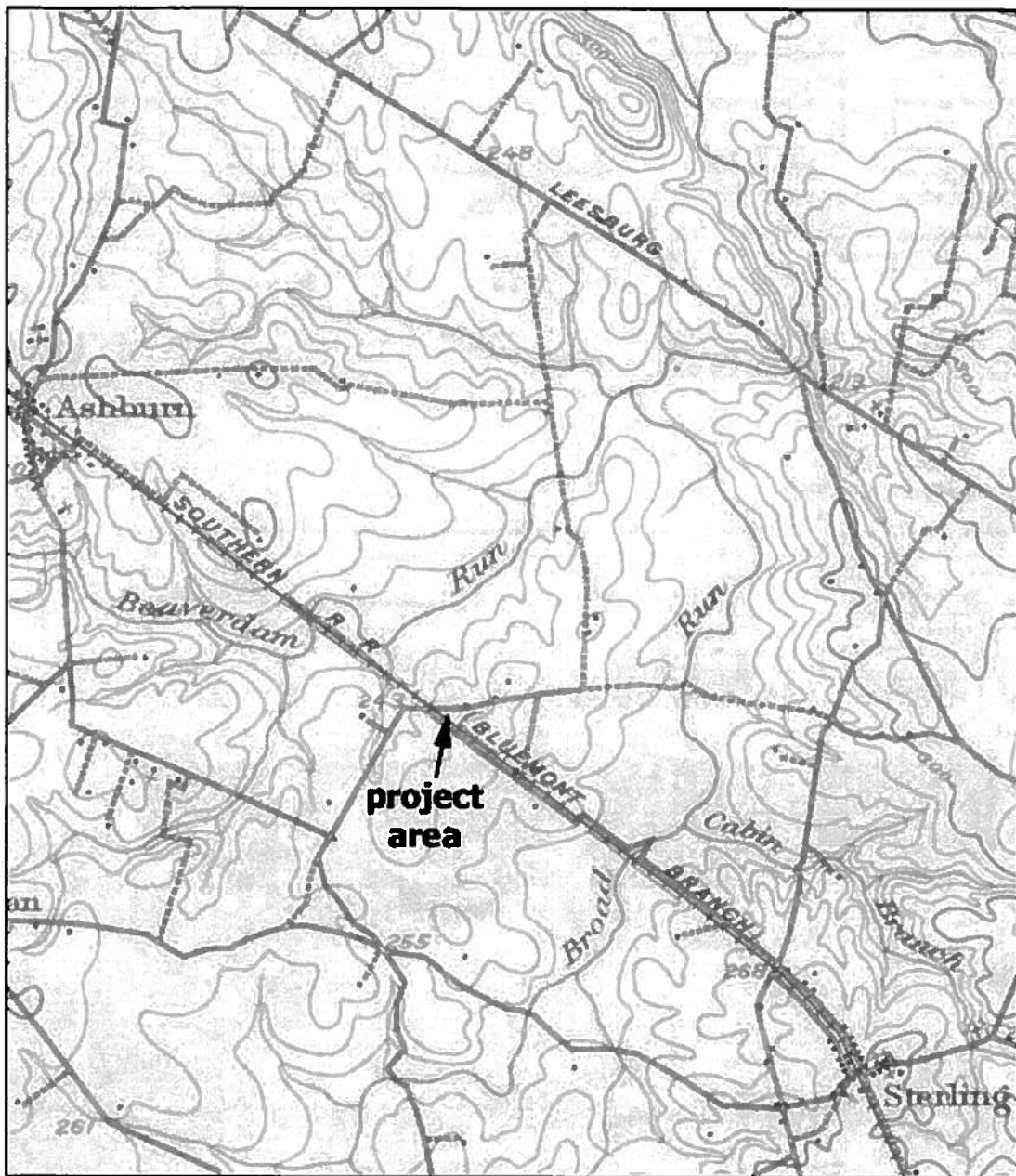


Figure 5: Project area in 1894 (USGS 1894)

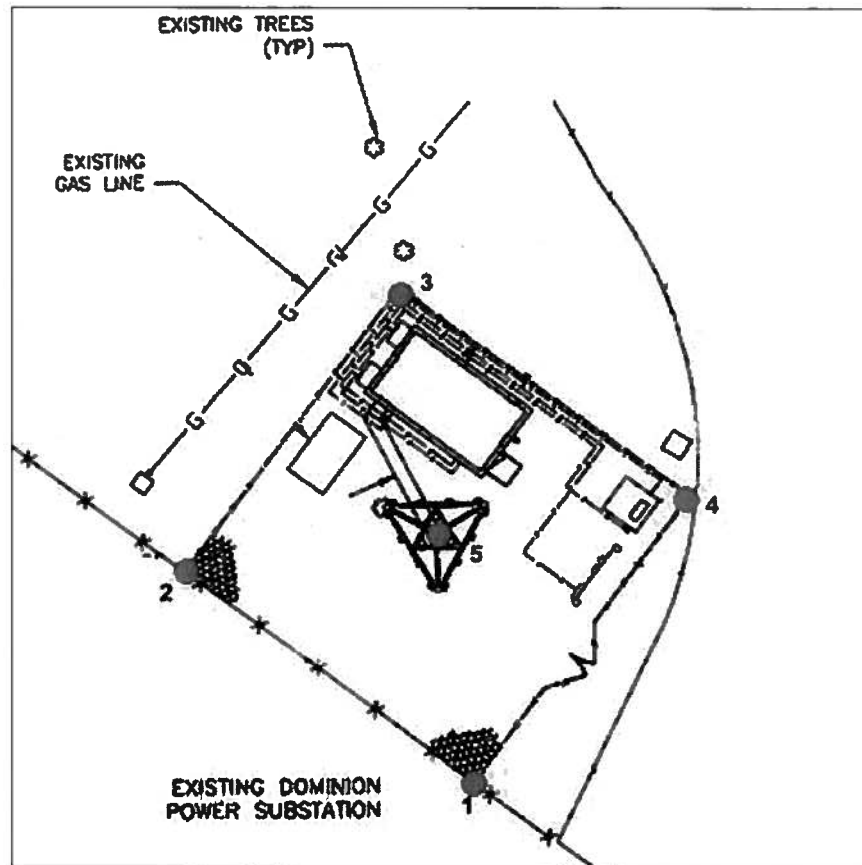


Figure 6: STP locations

Table 1: STP Profile Descriptions

STP #	Location	Profile Description	Artifacts
1	Tower area	Level 1: 0-1 in., brown clay loam; weak A-horizon (topsoil)	NCM*
		Level 2: 1-4 in., strong brown clay loam with gravels; subsoil	NCM
2	Tower area	Level 1: 0-1 in., brown clay loam; weak A-horizon (topsoil)	NCM
		Level 2: 1-3 in., strong brown clay loam with gravels; subsoil	NCM
3	Tower area	Level 1: 0-1 in., brown clay loam; weak A-horizon (topsoil)	NCM
		Level 2: 1-3 in., strong brown clay loam with gravels; subsoil	NCM
4	Tower area	Level 1: 0-1 in., brown clay loam; weak A-horizon (topsoil)	NCM
		Level 2: 1-4 in., strong brown clay loam with gravels; subsoil	NCM
5	Tower area	Level 1: 0-3 strong brown clay loam with gravels; subsoil	NCM

*NCM = No cultural material

REFERENCES

Bosze, Karen M.

1996 *History of Virginia and West Virginia Counties*. Online at <http://freepages.genealogy.rootsweb.com/~harrisonrep/Census/VAcounty.htm>.

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1989 *Interim Report - Archaeological Survey of Portions of Ashburn Village Development, Loudoun County, Virginia*. Prepared for Huntley, Nyce and Associates, Inc. of Leesburg, Virginia.

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3060-1039
Estimated Time Per Response:
.5 to 10 hours

Attachment 10. Effects on Identified Properties

For each property identified as a Historic Property in Attachments 8 and 9:

- a. Indicate whether the Applicant believes the proposed undertaking would have a) no effect; b) no adverse effect; or, c) an adverse effect. Explain how each such assessment was made. Provide supporting documentation where necessary.

Historic Properties identified within the APE and the effects of the project on each property are outlined as follows:

Historic Property Name	Effect Determination	Reason for the Effect Determination
Washington & Old Dominion Railroad (DHR ID#053-0276-0001)	No Adverse Effect	The proposed tower will be partially visible from this resource; however, due to the nature of the Subject Property's function as an electrical substation, as well as the numerous transmission and utility towers located within the vicinity of the proposed monopole (and visible from the resource), the proposed installation will not adversely affect the characteristics of the historic resource.
Dairy Ruins, Route 607 (DHR ID#053-1103)	No Effect	During a site investigation, no barn and/or silo were observed at the resource location/address documented on the VA DHR map and the inventory form. Because the resource is no longer extant the project will not further diminish the historic character of the Dairy Ruins.

- b. Provide copies of any correspondence and summaries of any oral communications with the SHPO/THPO.

On December 30, 2005, EBI submitted an FCC Form 620-New Tower submission packet for a 95-foot monopole-style telecommunications tower at this location. In correspondence dated January 31, 2007, the VADHR responded, "This project will have an effect on historic resources. Based on the information provided, the effect will not be adverse" (DHR File #2006-0014) (attached).

- c. Describe any alternatives that have been considered that might avoid, minimize, or mitigate any adverse effects. Explain the Applicant's conclusion regarding the feasibility of each alternative.

No adverse effects are expected as a result of the proposed installation.



COMMONWEALTH of VIRGINIA

L. Preston Bryant, Jr.
Secretary of Natural Resources

Department of Historic Resources
2801 Kensington Avenue, Richmond, Virginia 23221

Kathleen S. Kilpatrick
Director

Tel: (804) 367-2323
Fax: (804) 367-2391
TDD: (804) 367-2386
www.dhr.virginia.gov

MEMORANDUM

DATE: 1/31/2007 **DHR File #** 2006-0014

TO: Laura Mancuso, EBI Consulting

FROM: *WTH* Tonia W. Horton, Historical Landscape Architect
Office of Review and Compliance

PROJECT: Proposed 95' Cell Tower, 21260 Smith Switch Road, Ashburn

Thank you for submitting information about the above-referenced project for our review pursuant to Section 106 of the National Historic Preservation Act.

xxxx

_____ This project will have an effect on historic resources. Based on the information provided, the effect will not be adverse.

_____ This project will have an adverse effect on historic properties. Further consultation with DHR is needed under Section 106 of the NHPA.

_____ Additional information is needed before we will be able to determine the effect of the project on historic resources.

_____ No further identification efforts are warranted. No historic properties will be affected by the project. Should archaeological resources be discovered during implementation of the project, please cease work and notify DHR.

_____ We have previously reviewed this project. Attached is a copy of our correspondence.

_____ Other (please see comments below)

COMMENTS:

Administrative Services
10 Courthouse Avenue
Petersburg, VA 23803
Tel: (804) 863-1624
Fax: (804) 862-6196

Capital Region Office
2801 Kensington Ave.
Richmond, VA 23221
Tel: (804) 367-2323
Fax: (804) 367-2391

Tidewater Region Office
14415 Old Courthouse Way, 2nd Floor
Newport News, VA 23608
Tel: (757) 886-2807
Fax: (757) 886-2808

Roanoke Region Office
1030 Penmar Ave., SE
Roanoke, VA 24013
Tel: (540) 857-7585
Fax: (540) 857-7588

Northern Region Office
5357 Main Street
PO Box 519
Stephens City, VA 22655
Tel: (540) 868-7031
Fax: (540) 868-7033

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3060-1039
Estimated Time Per Response:
.5 to 10 hours

Attachment 11. Photographs

Except in cases where no Historic Properties were identified within the Areas of Potential Effects, submit photographs as described below. Photographs should be in color, marked so as to identify the project, keyed to the relevant map (*see* Item 12 below) or text, and dated; the focal length of the lens should be noted. The source of any photograph included but not taken by the Applicant or its consultant (including copies of historic images) should be identified on the photograph.

- a. Photographs taken from the tower site showing views from the proposed location in all directions. The direction (*e.g.*, north, south, etc.) should be indicated on each photograph, and, as a group, the photographs should present a complete (360 degree) view of the area around the proposed tower.
- b. Photographs of all listed and eligible properties within the Areas of Potential Effects.
- c. If any listed or eligible properties are visible from the proposed tower site, photographs looking at the tower site from each historic property. The approximate distance in feet (meters) between the site and the historic property should be included.
- d. Aerial photos of the APE for visual effects, if available.

Please see the attached Photographs, which were taken by EBI Consulting staff on April 24, 2007, unless otherwise noted. A photograph location map is included in Attachment 12, Maps.

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Estimated Time Per Response:
.5 to 10 hours



1. View looking southwest at the Subject Property and Project Site from the existing access driveway at Smith Switch Road.



2. View looking south from the parent parcel toward the Project Site.

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Estimated Time Per Response:
.5 to 10 hours

3. View looking north
from the Project Site.



4. View looking north
from the parent parcel
toward the Project Site.



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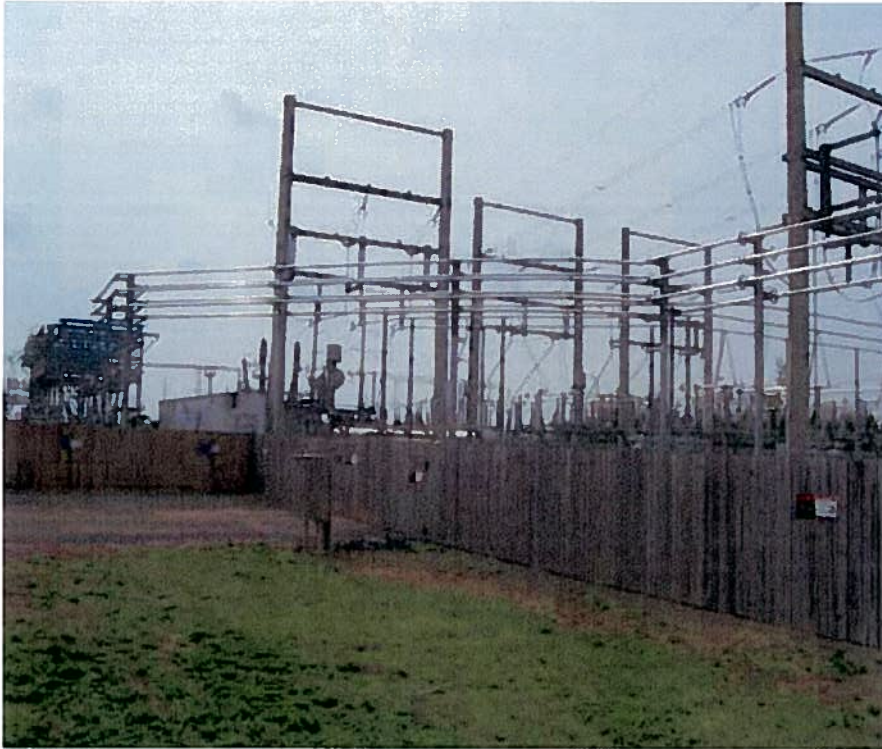
Approved by OMB

3060-1039

Estimated Time Per Response:

.5 to 10 hours

5. View looking south
from the Project Site.



6. View looking west from
the parent parcel
toward the Project Site.



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3060-1039

Estimated Time Per Response:
.5 to 10 hours

7. View looking east from
the Project Site.



8. View looking east
toward the Project Site.



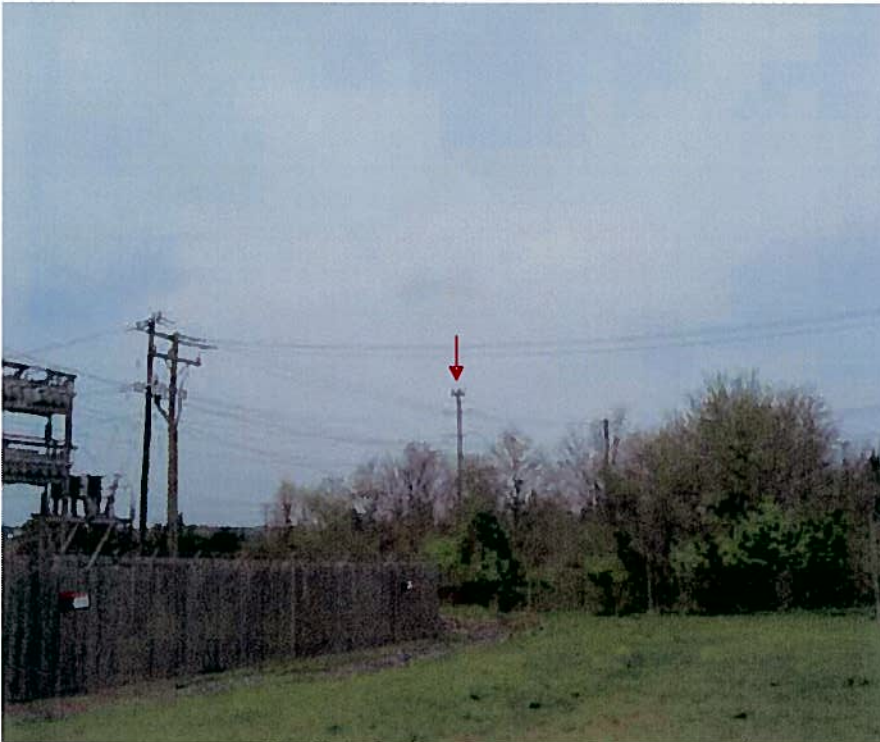
NT SUBMISSION PACKET – FCC FORM 620

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3060-1039

Estimated Time Per Response:
.5 to 10 hours



9. View looking west toward the substation from the Project Site.



10. View looking northwest from the Project Site toward the location of the Dairy Ruins (DHR ID #053-1103), as well as existing antennas on an electrical transmission tower (see red arrow) along the W&OD Trail (DHR ID# 053-0276-001). The antennas are located approximately 0.16 miles northwest of the Project Site.

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Estimated Time Per Response:
.5 to 10 hours



11. View looking west along Smith Switch Road from the existing access road toward the W&OD Trail (DHR ID# 053-0276-001). This photo was taken approximately 0.12 miles east of the W&OD Trail.



12. View looking west along Smith Switch Road, approximately 0.1 miles west/northwest of the Project Site, toward the intersection of the W&OD Trail and Smith Switch Road (at red arrow).

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Estimated Time Per Response:
.5 to 10 hours



13. View looking east/southeast toward the Project Site from the intersection of the W&OD Trail and Smith Switch Road.



14. View looking southwest toward an area of active construction from the intersection of the W&OD Trail and Smith Switch Road.

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Estimated Time Per Response:
.5 to 10 hours



15. View looking north/northwest along the W&OD Trail from the intersection of the W&OD Trail and Smith Switch Road.



16. Smiths Switch Station located along the W&OD Trail, approximately 0.2 miles northwest of the Project Site.

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3060-1039

Estimated Time Per Response:
.5 to 10 hours

17. View looking east/
southeast toward the
Project Site (located
approximately 0.20
miles away) from Smiths
Switch Station along the
W&OD Trail.



18. View looking southeast
toward the Project Site
from the northwest
edge of the APE
(approximately 0.5 miles
away) along the W&OD
Trail.



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19. View looking north from Smith Switch Road toward the recorded location of the Dairy Ruins (DHR ID# 053-1103). No structures were present and/or visible during the field inspection.



20. View looking east/southeast toward the Project Site from the former location of the Dairy Ruins along Smith Switch Road.

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Estimated Time Per Response:
.5 to 10 hours



21. View looking east/
northeast from Smith
Switch Road toward the
Project Site, located
approximately 0.30
miles away.



22. View looking northeast
toward the Project Site
from the intersection of
Smith Switch Road and
Chilum Place (near the
southwest edge of the
APE approximately 0.50
miles away).

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Estimated Time Per Response:
.5 to 10 hours



23. View looking northwest toward the Project Site from VA Route 607/Loudoun County Parkway located approximately 0.6 miles away.



24. View looking west/northwest toward the Project Site from VA Route 607/Loudoun County Parkway (near the southeast edge of the APE located approximately 0.5 miles away).

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Estimated Time Per Response:

.5 to 10 hours



25. View looking west toward the Project Site from the intersection of Smith Switch Road and VA Route 607/Loudoun County Parkway (approximately 0.50 miles away).

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Approved by OMB
3060-1039
Estimated Time Per Response:
.5 to 10 hours

Attachment 12. Maps

Include one or more 7.5-minute quad USGS topographical maps that:

- a. Identify the Areas of Potential Effects for both direct and visual effects. If a map is copied from the original, include a key with name of quad and date.
- b. Show the location of the proposed tower site and any new access roads or other easements including excavations.
- c. Show the locations of each property listed in Attachments 8 and 9.
- d. Include keys for any symbols, colors, or other identifiers.

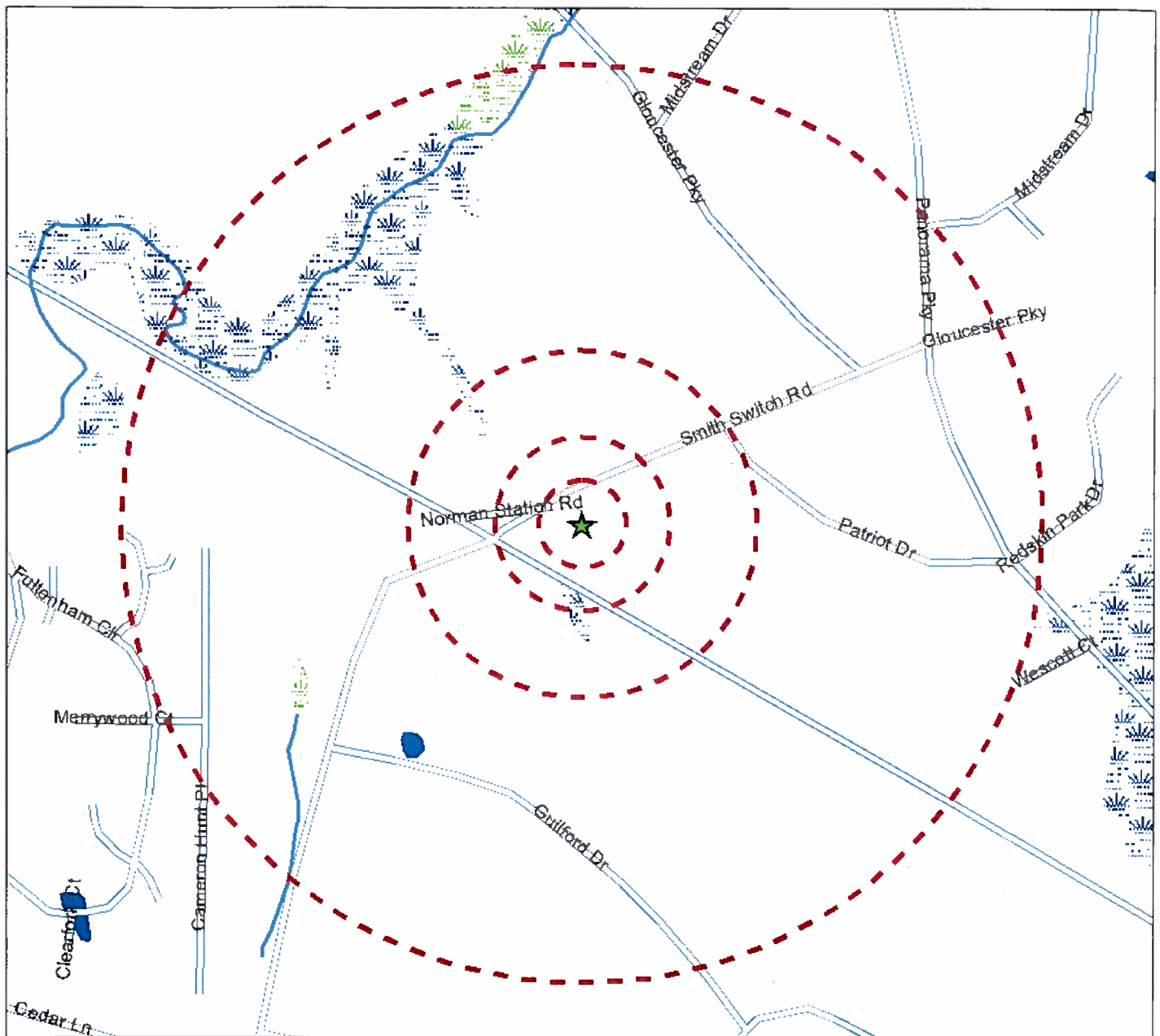
Attached maps include a Street Map and Topographic Map showing the location of the proposed Project Site (Figures 1 and 2). Also attached are a Site Sketch (Figure 3), a Photo Location Map (Figure 4), and detailed Site Plans/Lease Exhibits provided by the project proponent.

The APE for Direct Effects is identified on the attached Site Plans.

The APE for Visual Effects is identified on the attached Photo Location Maps.

The location of the proposed construction site and any related excavations are shown on the Site Plans/Lease Exhibits.

Historic Properties identified in Attachments 8 and 9 are identified on the VA DHR Historic Resources Map.



Legend

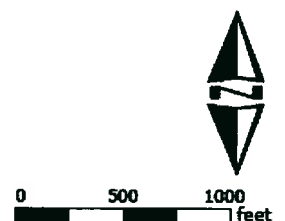
- ★ Project Site [Dashed Red Circle] Site Buffer at 250', 500', 1000' and 1/2 mile

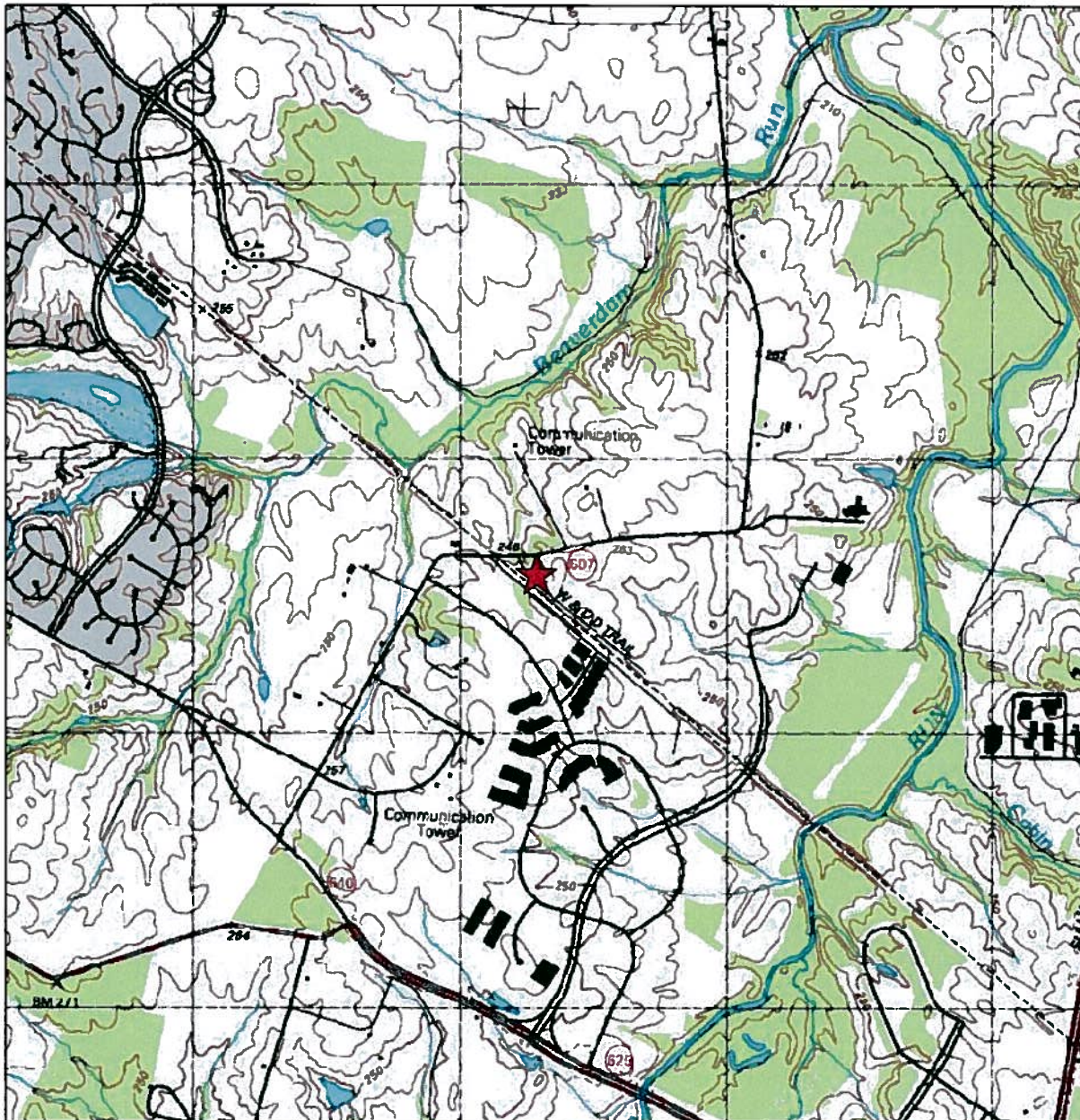
Source: Selected data from ESRI, EBI and NWI

Figure 1 - Site Location Map

VA3891A/Jakboub
21260 Smiths Switch Road
Ashburn, VA 20147

PN: 61071562





A portion of the Sterling, Virginia 1998
USGS Quadrangle 7.5 x 15 Minute Quadrangle

Figure 2 – Locus Map

VA3891A/Jakboub
21260 Smith Switch Road
Ashburn, VA 20147

PN: 61071562



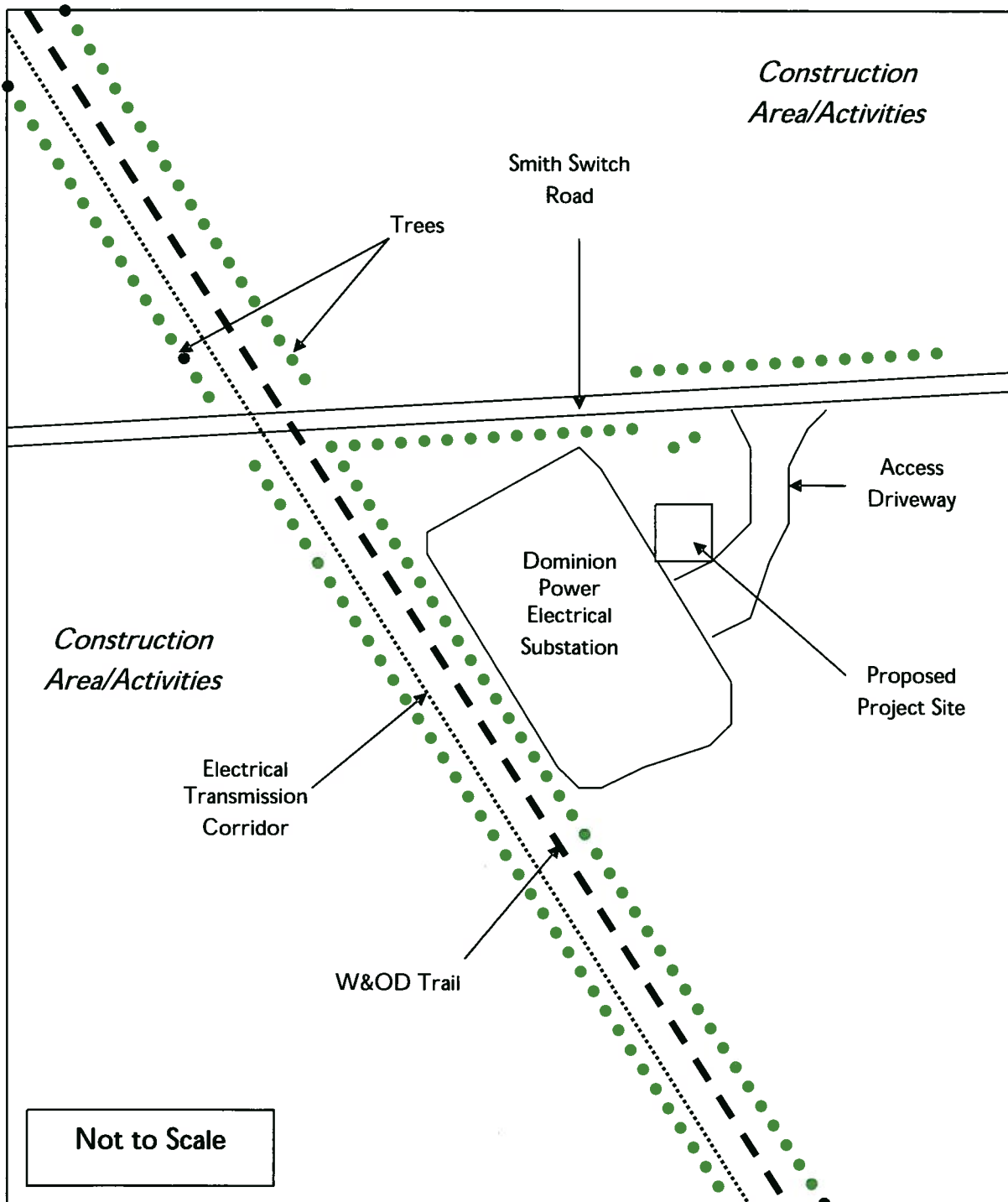


Figure 3 –Site Sketch

VA3891A/Jakboub
21260 Smith Switch Road
Ashburn, VA 20147

PN: 61071562





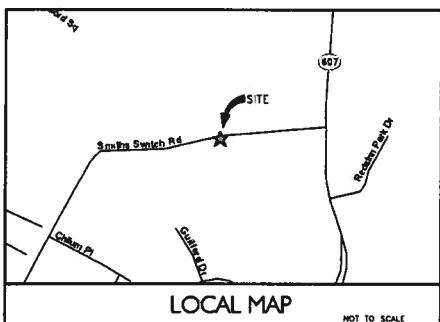
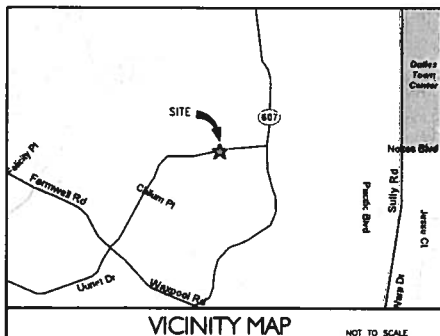
Figure 4 – Photo Location Map (2003 Aerial)

VA3891A/Jakboub
21260 Smith Switch Road
Ashburn, Virginia 20147

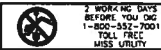
PROJECT DESCRIPTION:
**INSTALLATION OF AN 130' MONOPOLE,
 COMPOUND AND OPERATION OF
 ANTENNAS AND ASSOCIATED EQUIPMENT
 WITHIN A RAW-LAND LEASE AREA**

DIRECTIONS TO SITE:

TAKE 175E TO I-85 SOUTH. TAKE 845W TO VA 267 WEST VIA EXIT 45A. MERGE ONTO SULLY RD VIA EXIT 59 TOWARDS STERLING. LEFT ONTO VA803W. STAY STRAIGHT ONTO FAIRMILL RD. TURN RIGHT ONTO SMITH SWITCH RD. GO 1 MILE PAST WASHINGTON AND OLD DOWNSIDE TRAIL SUBSTATION AND TOWER ARE ON RIGHT.



NEXTEL
 COMMUNICATIONS OF THE MID-ATLANTIC, INC.
JAKBOUB
 VA3891A / WA54XC815
 21260 SMITH SWITCH RD
 ASHBURN, VA 20147



APPROVAL			
COORDINATION NUMBER	DATE	PHONE NUMBER	DATE
COORDINATION NUMBER	DATE	PHONE NUMBER	DATE
IF ENGINEERED	DATE	PHONE NUMBER	DATE
REVISIONS	DATE	PHONE NUMBER	DATE
REV. NO.	DESCRIPTION	BY	DATE
1	ZONING DRAWINGS	GED	03/09/04
2	ZONING DRAWINGS	GED	03/29/04
3	ZONING DRAWINGS	GED	06/28/04
4	ZONING DRAWINGS	GED	10/24/04
REV. NO.	DESCRIPTION	BY	DATE
1	REVISED FINAL ZONING DRAWINGS	SPP	03/18/07

CONSULTING TEAM		PROJECT SUMMARY		SHEET INDEX	
ARCHITECTURE AND ENGINEERING: CLARK NEXSEN 5510 CHERRY AVE, SUITE 110 ALEXANDRIA, VA 22312 PROJECT MANAGER: STUART P. PATTERSON, P.E. TELEPHONE: (703) 258-1544 FAX NUMBER: (703) 258-8822 SURVEY: PRECISION MEASUREMENTS, INC. 2118 GUNBY ROAD, SUITE 80 RICHMOND, VA 23230 CONTACT: BRIAN LONG, LS TELEPHONE: (804) 340-8329 FAX NUMBER: (804) 340-8328 STRUCTURAL ENGINEERING: CLARK NEXSEN 5180 KEMPVILLE CR. SUITE-200A NORFOLK, VA 23502 CONTACT: RON W. ROUSE, PE TELEPHONE: (757) 455-5600 FAX NUMBER: (757) 455-5638 UTILITIES: POWER COMPANY: COMMONWEALTH POWER CONTACT: CUSTOMER SERVICE TELEPHONE: (800) 667-3020 TELEPHONE COMPANY: VERIZON CONTACT: CUSTOMER SERVICE TELEPHONE: (800) 824-2355		SITE INFORMATION: JAKBOUB 21260 SMITH SWITCH ROAD ASHBURN, VA 20147 PROPERTY OWNER: VERIZON ELECTRIC & POWER COMPANY P.O. BOX 96888 RICHMOND, VA 23262 CONTACT: CHAS BOWDRE TELEPHONE: (804) 818-2382 APPLICANT INFORMATION: NEXTEL COMMUNICATIONS OF THE MID-ATLANTIC 7055 SAMUEL MORSE DRIVE, S-100 COLUMBIA, MD 21046 CONTACT: BILL BROWN TELEPHONE: (443) 230-4339 PROJECT DATA: ZONING: POP JURISDICTION: LOUDOUN AEC GRID: 31-C4 SITE TYPE: RAWLAND TOWER TYPE: MONOPOLE TOWER HEIGHT: 130' LEASE AREA: 2760 SF AREA OF LAND DISTURBANCE: 2760 SF GEOGRAPHIC COORDINATES: LATITUDE (NAD83): 39° 01' 36.1" N LONGITUDE (NAD83): 77° 17' 24.2" W GROUND ELEV (AMSL): 261' ± ADA COMPLIANCE: FACILITY IS UNIMPAIRED AND NOT FOR HUMAN HABITATION. SITE WILL NOT BE SERVED BY CITY SEWER OR WATER.		SHEET INDEX SHEET: DESCRIPTION 1-1 TITLE SHEET 1-2 LEGEND AND ABBREVIATIONS C-1 SURVEY AND SITE PLAN C-2 ENLARGED SITE PLAN C-3 ELEVATION VIEW C-4 FENCE DETAIL AND NOTES C-5 EROSION AND SEDIMENT CONTROL A-1 SHELTER ELEVATION SHEET INDEX SHEET NO.: T-1	

CLARK NEXSEN
 Architecture & Engineering
 5510 CHERRY AVE, SUITE 110
 ALEXANDRIA, VA 22312
 703 258-1544 FAX 703 258-8822
 WWW.CLARKNEXSEN.COM

NEXTEL
 COMMUNICATIONS OF THE MID-ATLANTIC, INC.
 7055 SAMUEL MORSE DRIVE
 SUITE 100
 COLUMBIA, MD 21046
 (410) 868-2404

VA3891A / WA54XC815
JAKBOUB
RAWLAND
BEAUMEADE
SUBSTATION
 21260 SMITH SWITCH RD
 ASHBURN, VA
 20147
 LOUDOUN CO.

REVISIONS



NO.	DESCRIPTION	DATE
1	Initial Drawing	03/09/04
2	Revised Drawing	03/29/04
3	Revised Drawing	06/28/04
4	Revised Drawing	10/24/04
5	Revised Final Drawing	03/18/07

SHEET INDEX

TITLE SHEET

SHEET NO.: T-1

∠	ANGLE
&	AND
⊥	CENTER LINE
ℙ	PROPERTY LINE, PLATE
@	AT
#	NUMBER


 = NORTH ARROW

 = NORTH ARROW WITH MAGNETIC DECLINATION

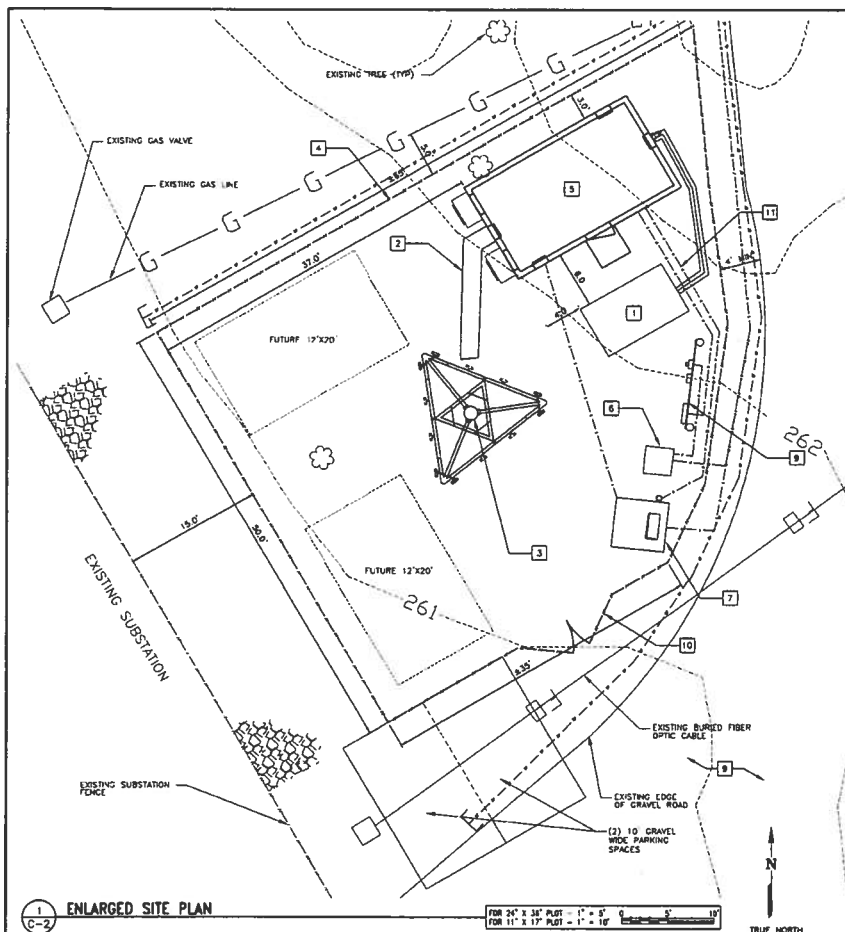
LEGEND

- CONCRETE
- PROPERTY LINE
- SETBACK LINE
- LEASE AREA
- EASEMENT
- BUILDING (FOOTPRINT)
- POWER POLE
- LIGHT POLE
- FIBEROPTIC MANHOLE
- OVERHEAD ELECTRIC
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- CONTOURS
- SPOT ELEVATION
- ASPHALT
- FENCE
- TEMPORARY BENCHMARK
- GRAVEL
- TREELINE
- SILT FENCE

STW PPG:
VA3891A / WA5-DC815
JAKBOUB
RAWLAND
BEAUMEADE
SUBSTATION
21260 SMITH SWITCH RD
ASHBURN, VA
20147
LOUDOUN CO.

LEGEND AND ABBREVIATIONS

Sheet No. **T-2**



SITE NOTES

1. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY OF LOCATING ANY UNDERGROUND UTILITIES (PUBLIC OR PRIVATE) THAT MAY EXIST AND CROSS THROUGH THE AREA OF CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS. BEFORE YOU DIG, CALL "MISS UTILITY" AT 1-800-952-7001. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, AT HIS EXPENSE, ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
2. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AT THE FIRST PHASE OF CONSTRUCTION AND CHECKED PERIODICALLY TO ENSURE THEY ARE FUNCTIONING AS INDICATED.
3. THE STOCKPILING OF EXCESS MATERIAL ON SITE WILL NOT BE ALLOWED.
4. ANY VEGETATED AREA DISTURBED BY CONSTRUCTION SHALL BE TOPSOILED AND SEEDED TO RESTORE A PERMANENT VEGETATIVE COVER.

CONSTRUCTION NOTES

1. PROPOSED NEXTEL GEN PAD
2. PROPOSED NEXTEL ICE BRIDGE
3. PROPOSED NEXTEL 130' MONOPOLE
4. PROPOSED NEW 8' TALL WOOD FENCE
5. PROPOSED 12'x20' NEXTEL SHELTER WITH 5 GPS ANTENNAS
6. PROPOSED POWER TRANSFORMER
7. PROPOSED CSC CABINET W/ DISCONNECT ON 8'x8' POST
8. PROPOSED UTILITY BACKBOARD
9. UTILIZE EXISTING 20' GRAVEL ACCESS ROAD AND TURNAROUND
10. PROPOSED 12' ACCESS GATE
11. PROPOSED U/G POWER & TELCO CONDUITS

NOTE:
EXISTING U/G TELCO & GAS LINES MARKED BY MISS UTILITY TICKET # 8528700388. ACCORDING TO MISS UTILITY, EXISTING GAS & TELCO LINES ARE ON PRIVATE PROPERTY AND DO NOT FALL WITHIN ANY RECORDED EASEMENT. NEXTEL'S PROPOSED COMPOUND TO KEEP MINIMUM OF 3' OFF OF EXISTING GAS & TELCO LINES. GENERAL CONTRACTOR TO CALL MISS UTILITY PRIOR TO CONSTRUCTION TO RE-MARK THE LINES. EXISTING BURIED FIBER OPTIC CABLES TO BE LOCATED PRIOR TO CONSTRUCTION. ANY DAMAGE INCURRED DURING CONSTRUCTION TO BE REPAIRED BY THE GENERAL CONTRACTOR AND AT NO COST TO SPRINT NEXTEL CORP.

CLARK NIXSEN
Architecture & Engineering
5310 CHENOWETH AVE., SUITE 110
ALBUQUERQUE, NM 87113
760.254.2344 FAX 760.254.4422
WWW.CLARKNIXSEN.COM

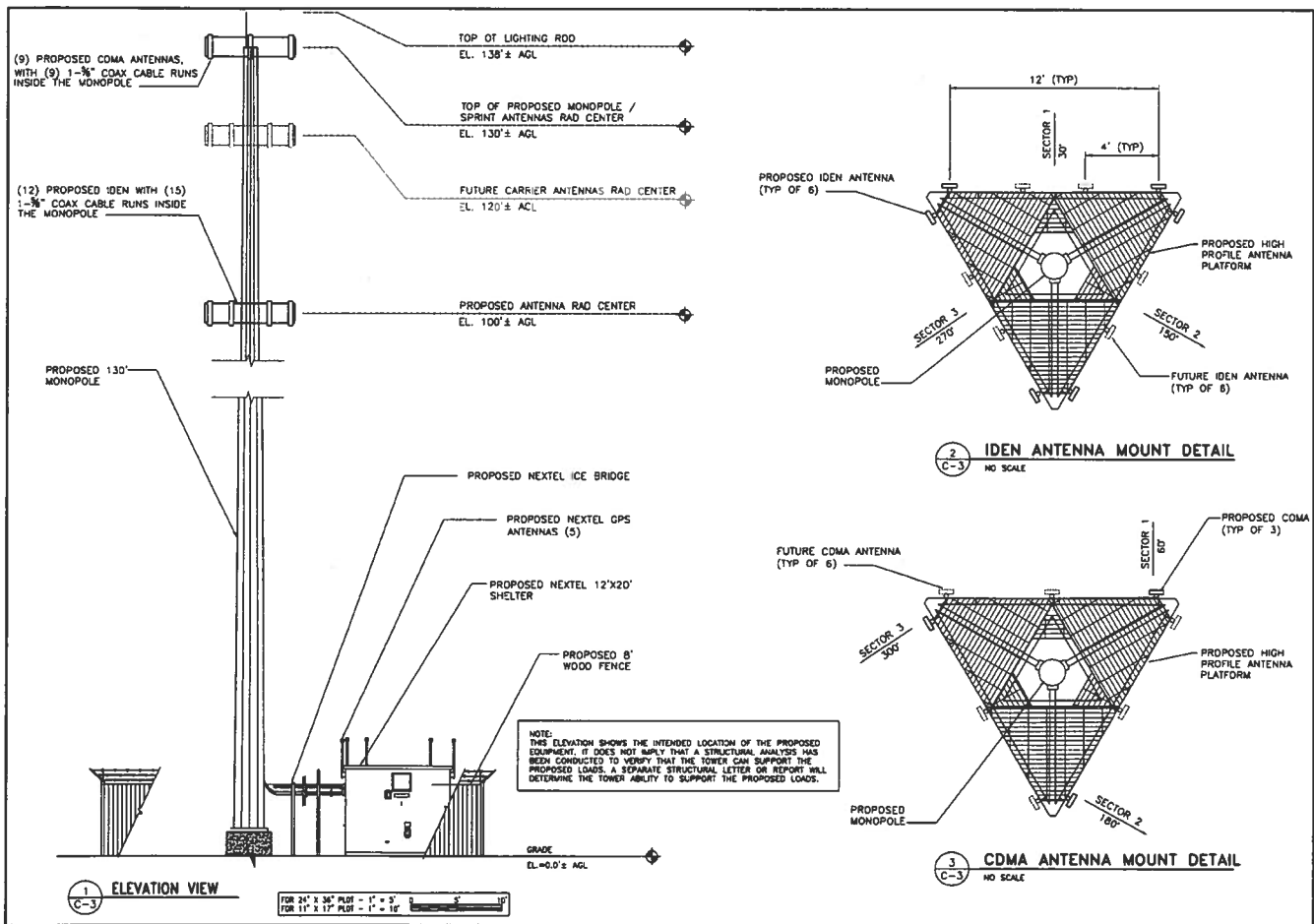
NEXTEL
COMMUNICATIONS OF THE NEW ATLANTIC, INC.
1055 SAMUEL MORSE DRIVE
SUITE 100
COLUMBIA, MD 21044
(410) 848-2400

PROJECT NO.:
VA3891A / WAS-000815
**JAKOUB
RAWLAND
BEAUMEADE
SUBSTATION**
21260 SMITH SWITCH RD
ASHBURN, VA
20147
LOUDOUN CO.

DESIGN	BY
DESIGNED	WBN
DRAWN	WBN
CHECKED	WBN
DATE	08/12/07
REVISIONS	DATE
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ENLARGED
SITE PLAN

SHEET NO.:
C-2



CLARK NIXSEN
Architecture & Engineering
5510 CHERRY AVE., SUITE 110
ALBUQUERQUE, NEW MEXICO 87113
760 264-2344 FAX 760 264-4623
WWW.CLARKNIXSEN.COM

NEXTEL
COMMUNICATIONS OF THE MID ATLANTIC, INC.
7055 SAMUEL MORSE DRIVE
SUITE 100
COLUMBIA, MD 21046
(410) 848-2104

PROJECT:
VA3891A / WAS-4XCB15
**JAKBOUB
RAWLAND
BEAUMEDE
SUBSTATION**
21260 SMITH SWITCH RD
ASHBURN, VA
20147
LOUDOUN CO.

DESIGN	GGD	
DRAWING	WSP1	
REVISION	RTT	
TYDATE	3/05/02	
COPY NO.	PAGE 2 (000)	
SUBMITTALS		
NO.	DESCRIPTION	DATE
1	DESIGN SUBMITTAL	03/09/01
2	DESIGN SUBMITTAL	03/29/01
3	DESIGN SUBMITTAL	05/20/01
4	DESIGN SUBMITTAL	10/24/01
5	REVISED FINAL DESIGN SUBMITTAL	03/22/02
6		
7		
8		
9		
10		

ELEVATION VIEW

SHEET NO:
C-3

1	PROPOSED NEXTEL GEN PAD	7	PROPOSED CSC CABINET W/ DISCONNECT ON 8"x8" POST
2	PROPOSED NEXTEL VCE BRIDGE	8	PROPOSED UTILITY BACKBOARD
3	PROPOSED NEXTEL 130' MONOPOLE	9	UTILIZE EXISTING 20' GRAVEL ACCESS ROAD AND TURNAROUND
4	PROPOSED NEW 8' TALL WOOD FENCE	10	PROPOSED 12' ACCESS GATE
5	PROPOSED 12'X30' NEXTEL SHELTER WITH 5 GPS ANTENNAS	11	PROPOSED 1/2" POWER & TELCO CONDUITS
6	PROPOSED POWER TRANSFORMER	12	PROPOSED SILT FENCE



FOR 24" X 36" PLOT - 1" = 5'
FOR 11" X 17" PLOT - 1" = 10'



CONSTRUCTION OF A FILTER BARRI

SILT FENCE
SCALE: N.T.S.

NEXTEL
COMMUNICATIONS OF THE MID ATLANTIC, INC.
7055 SAMUEL MORSE DRIVE
SUITE 100
COLUMBIA, MD 21046
(410) 868-2404

[illegible]

EROSION AND SEDIMENT CONTROL

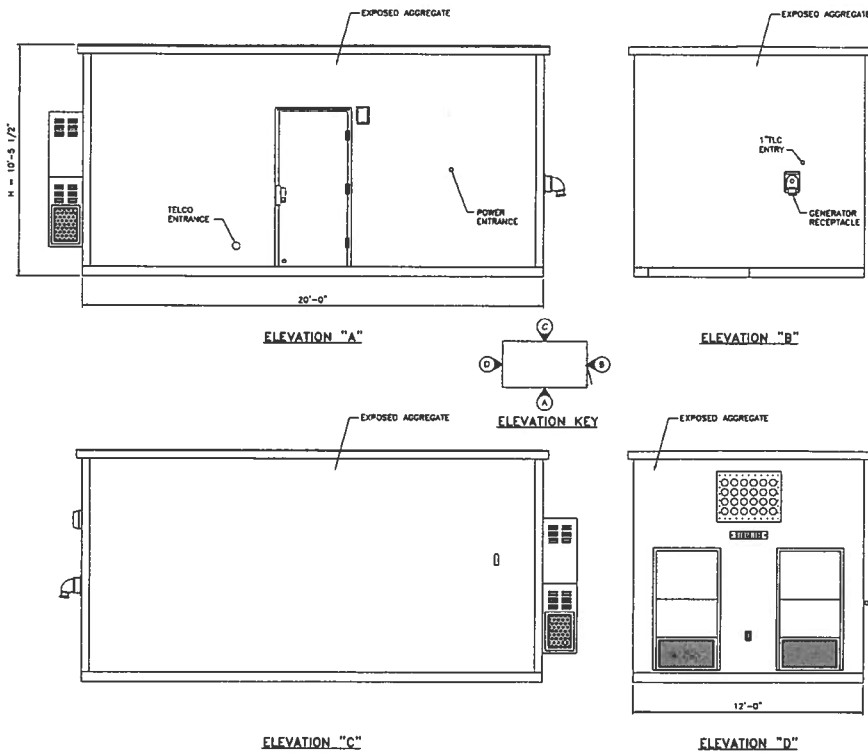
SHEET NO. 1
C-5

SHELTER NOTES

1. DESIGN CRITERIA:

FLOOR LIVE LOAD	140 PSF
ROOF LIVE LOAD	30 PSF
SNOW LOAD	
GROUND SNOW LOAD, P_g	25 PSF
FLAT ROOF SNOW LOAD, P_f	13 PSF
SNOW EXPOSURE FACTOR, C_e	0.8
SNOW LOAD IMPORTANCE FACTOR, I	1.0
THERMAL FACTOR, C_t	1.0
WIND LOAD:	
BASIC WIND SPEED	120 MPH
WIND IMPORTANCE FACTOR	1.0
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT	±0.18

2. THE SHELTER IS TO BE CLASSIFIED AS USE GROUP S-2, TYPE B8 CONSTRUCTION PER THE INTERNATIONAL BUILDING CODE - 2003.
3. THIS SHELTER IS TO BE DESIGNED AND CONSTRUCTED IN COMPLIANCE THE INTERNATIONAL BUILDING CODE - 2003.



SHELTER ELEVATIONS
NOT TO SCALE

PROJECT:
VA3891A / WAS-000815
**JAKBOUB
RAWLAND
BEAUMEADE
SUBSTATION**
21260 SMITH SWITCH RD
ASHBURN, VA
20147
LOUDOUN CO.

DESIGN:	GD	
DRAWN:	WBT	
REVIEW:	JY	
DATE:	03/26/09	
PROJECT NO.:	00000000	
SUBMITTALS		
NO.	DESCRIPTION	DATE
1	Design Review	03/26/09
2	Design Review	03/26/09
3	Design Review	03/26/09
4	Design Review	03/26/09
5	Design Review	03/26/09
6	Design Review	03/26/09
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100	Design Review	03/26/09

SHEET NAME
**SHELTER
ELEVATION**

SHEET NO.:
A-1

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039

Estimated Time Per Response:
.5 to 10 hours

Attribution and Bibliographic Standards. All reports included in the Submission Packet should be footnoted and contain a bibliography of the sources consulted.

- a. Footnotes may be in a form generally accepted in the preparer's profession so long as they identify the author, title, publisher, date of publication, and pages referenced for published materials. For archival materials/documents/letters, the citation should include author, date, title or description and the name of the archive or other agency holding the document.
- b. A bibliography should be appended to each report listing the sources of information consulted in the preparation of the report. The bibliography may be in a form generally accepted in the preparer's profession.

References are appended.

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The FCC is authorized under the Communications Act of 1934, as amended, to collect the personal information we request in this form. We will use the information provided in the application to determine whether approving this application is in the public interest. If we believe there may be a violation or potential violation of a FCC statute, regulation, rule or order, your application may be referred to the Federal, state or local agency responsible for investigating, prosecuting, enforcing or implementing the statute, rule, regulation or order. In certain cases, the information in your application may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC; (b) any employee of the FCC; or (c) the United States Government is a party to a proceeding before the body or has an interest in the proceeding. In addition, all information provided in this form will be available for public inspection.

If you owe a past due debt to the federal government, any information you provide may also be disclosed to the Department of Treasury Financial Management Service, other federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide this information to these agencies through the matching of computer records when authorized.

If you do not provide the information requested on this form, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Your response is required to obtain the requested authorization.

We have estimated that each response to this collection of information will take an average of .50 to 10 hours. Our estimate includes the time to read the instructions, look through existing records, gather and maintain the required data, and actually complete and review the form or response. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, AMD-PERF, Paperwork Reduction Project (3060-1039), Washington, DC 20554. We will also accept your comments via the Internet if you send them to Judith-B.Herman@fcc.gov. Please **DO NOT SEND COMPLETED APPLICATIONS TO THIS ADDRESS**. Remember - you are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number of if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-1039.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1995, P.L. 104-13, OCTOBER 1, 1995, 44 U.S.C. 3507.

NT SUBMISSION PACKET – FCC FORM 620

Approved by OMB
3060-1039
Estimated Time Per Response:
.5 to 10 hours

References:

Aerial photograph, www.mapcard.com, dated 2003

Clark Nexsen Architecture & Engineering
2007 Lease Exhibits VA3891A/WA54XC815, Jakboub Rawland Beaumeade Substation, 21260 Smith Switch Rd, Ashburn, VA 20147, Loudoun Co.

Edward Otter Incorporated
December 2005 "Archaeological Potential: Cell Tower Location: Smith Switch Road Site, Loudoun County, Virginia."

Edward Otter Incorporated
December 2006 "Archaeological Phase 1 Survey: Cell Tower Location: Smith Switch Site, Loudoun County, Virginia."

Interview with property representative, Mr. Chris Behrens, Virginia Dominion Power

Property Card, www.loudoun.gov

Virginia Department of Historic Resources File Review: April 23, 2007 by Sarah Farley. Sources reviewed include the Sterling, Virginia (MD) USGS Quadrangle for archaeological and architectural resources and National Register files.

USGS Topographic Map, Sterling, Virginia (MD) Quadrangle 1998

APPENDIX B
SHPO CORRESPONDENCE



COMMONWEALTH of VIRGINIA

L. Preston Bryant, Jr.
Secretary of Natural Resources

Department of Historic Resources
2801 Kensington Avenue, Richmond, Virginia 23221

Kathleen S. Kilpatrick
Director

Tel: (804) 367-2323
Fax: (804) 367-2391
TDD: (804) 367-2386
www.dhr.virginia.gov

June 11, 2007

Ms. Sara Farley
EBI Consulting
6876 Susquehanna Trail South
York, PA 17403

Re: 138' Cell Tower, 21260 Smith Switch Road, Ashburn, VA
DHR File No. 2006-0014

Dear Ms. Farley:

Thank you for submitting information about the above-referenced project for our review pursuant to Section 106 of the National Historic Preservation Act. The project will have an effect on historic resources. Based on the information provided, the effect will not be adverse.

If I may be of further assistance, please do not hesitate to contact me at tonia.horton@dhr.virginia.gov, or by phone at (804) 367-2323, ext. 137.

Sincerely,

A handwritten signature in cursive script that reads "tonia Horton".

Tonia W. Horton, PhD
Office of Review and Compliance

Administrative Services
10 Courthouse Avenue
Petersburg, VA 23803
Tel: (804) 863-1624
Fax: (804) 862-6196

Capital Region Office
2801 Kensington Ave.
Richmond, VA 23221
Tel: (804) 367-2323
Fax: (804) 367-2391

Tidewater Region Office
14415 Old Courthouse Way, 2nd Floor
Newport News, VA 23608
Tel: (757) 886-2807
Fax: (757) 886-2808

Roanoke Region Office
1030 Penmar Ave., SE
Roanoke, VA 24013
Tel: (540) 857-7585
Fax: (540) 857-7588

Northern Region Office
5357 Main Street
PO Box 519
Stephens City, VA 22655
Tel: (540) 868-7031
Fax: (540) 868-7033

APPENDIX C
TRIBAL CORRESPONDENCE

Talla Gilmore

From: towernotifyinfo@fcc.gov
Sent: Friday, April 27, 2007 3:00 AM
To: ssagan@ebiconsulting.com
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #1535734

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribes"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribes and in making further contacts, the City and State of the Seat of Government for each Tribe and NHO, as well as the designated contact person, is included in the listing below. We note that Tribes may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribes and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribe or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribes and NHOs who have set their geographic preferences on TCNS. If the information you provided relates to a proposed antenna structure in the State of Alaska, the following list also includes Tribes located in the State of Alaska that have not specified their geographic preferences. For these Tribes and NHOs, if the Tribe or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribe or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event such a Tribe or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribe or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. Chief Leo R Henry - Tuscarora Nation - Via: Lewistown, NY - regular mail

Exclusions: If the Applicant/tower builder receives no response from the Tuscarora Nation within 30 days after notification through TCNS, the Tuscarora Nation has no interest in participating in pre-construction review for the site. The Applicant/tower builder, however, must IMMEDIATELY notify the Tuscarora Nation in the event archaeological properties or human remains are discovered during construction.

2. Policy Analyst Richard L Allen - Cherokee Nation - Tahlequah, OK - electronic mail

Exclusions: The TCNS Details do not provide me enough information to conduct a proper assessment of the projects on behalf of the Cherokee Nation. Therefore, I request that I be sent a brief summary of the Phase I findings [please try to limit the summary to between 1--10 pages], a topo of the area, and relevant photos. Please send these by email to rallen@cherokee.org. Please treat this request for additional material as a routine supplement to the TCNS Details Notification for each of your projects that fall within our Tribe's areas of geographic interest. Consequently, if you do not receive a response from me within 30 days from the date on which you e-mailed the supplemental items to me, you may move forward with the 20-Day Letter procedures pursuant to the FCC's guidelines. Thank you. -- Dr. Richard L. Allen

3. NAGPRA Coordinator Lisa C Stopp - United Keetoowah Band of Cherokee Indians - Tahlequah, OK - electronic mail and regular mail

Exclusions: If the applicant/tower builder receives no response from the United Keetoowah Band within 30 days after notification through TCNS, the United Keetoowah Band has no interest in participating in pre-construction review for the proposed site. In addition, we do not have

4/27/2007

NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NO... Page 2 of 5

an interest in participating in pre-construction reviews for collateral projects or other projects where there is no ground disturbance. The Applicant/tower builder, however, must immediately notify the Tribe/NHO in the event archaeological properties, human remains, associated or unassociated funerary items or other artifacts are discovered during construction, consistent with applicable law.

Lisa C. Stopp, Acting Tribal Historic Preservation Officer
918-456-9200

If the applicant/tower builder receives no response from the United Keetoowah Band of Cherokee Indians within 30 days after notification through TCNS, the United Keetoowah Band of Cherokee Indians has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the United Keetoowah Band of Cherokee Indians in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

4. Administrative Assistant Jo Ann Beckham - Eastern Shawnee Tribe of Oklahoma - Seneca, MO - electronic mail

Exclusions: If you, the Applicant and/or tower constructor, do not receive a response from us, the Eastern Shawnee Tribe of Oklahoma, within 30 days from the date of the TCNS notification, then you may conclude that we do not have an interest in the site. However, if archeological resources or remains are found during construction, you must immediately stop construction and notify us of your findings in accordance with the FCC's rules. (See 47 C.F.R. § 1.1312(d))

5. THPO & Tribal Administrator Rebecca A Hawkins - Shawnee Tribe - Miami, OK - electronic mail and regular mail

Exclusions: THIS IS YOUR OFFICIAL NOTICE THAT THE SHAWNEE TRIBE IS INTERESTED IN CONSULTING ON YOUR TOWER.

ATTENTION, NEW INFORMATION: Our mailing/physical address has changed to: 29 South 69A Highway. Our phone number (918-542-2441) and historic preservation fax line (918-542-9915) remain the same. Rebecca Hawkins is the Tribe's THPO; Belinda Pryor, Assistant THPO, handles cell tower consultation.

Beginning 26 June 2006, all of the faxed responses of our final comments on a tower site will contain the signature of either Assistant THPO Belinda Pryor or THPO Rebecca Hawkins. Each final comment fax is signed individually. Copies may be compared, for authentication, against the original in our files. If a final comment fax does not contain one of these two signatures, it is not valid. **ALL FINAL COMMENTS FROM THE SHAWNEE TRIBE THPO ARE WRITTEN; FINAL COMMENTS ARE NEVER PROVIDED VERBALLY. IF THE SHAWNEE TRIBE IS CREDITED WITH HAVING GIVEN A VERBAL RESPONSE, THAT RESPONSE IS NOT VALID.**

If you receive notification through the TCNS listing the Shawnee Tribe, that is an indication that the Shawnee Tribe is interested in consulting on the tower for which that notification was received. Please consider that our official indication of interest to you. The Shawnee Tribe considers the Tower Construction Notification System's weekly e-mail to be the first notification that we receive that a tower will be constructed in an area of our concern. We do not view the TCNS notification as completion of 106 consultation obligations.

The Shawnee Tribe has developed streamlined consultation procedures for cell tower developers and their subcontractors. If you do not have a copy of the procedures - most recently updated on 1 November 2006 - please contact us, as you must follow these procedures to consult with us on cell tower projects. Call us at 918-542-2441 or fax us at 918-542-9915. It is the towerbuilder's responsibility to make sure that you have our most recent consultation procedures.

The Shawnee Tribe wishes to review co-location projects **ONLY IF** new ground disturbance is anticipated (such as from an expanded compound or access road, or construction of an ancillary structure). The Shawnee Tribe does **NOT** wish to review co-location projects where no new ground disturbance is anticipated.

PLEASE DO NOT SEND US INFORMATION, QUERIES, OR COMMENTS ELECTRONICALLY. SINCE 1 DECEMBER 2005, WE HAVE NOT HANDLED ANY CELL TOWER CONSULTATION CORRESPONDENCE VIA E-MAIL.

6. THPO and Director Dr. Wenonah G Haire - Catawba Cultural Preservation Project - Rock Hill, SC - regular mail

Exclusions: The Catawba Indian Nation Tribal Historic Preservation Office requests that you send us by regular mail the following information needed to complete our research for the your proposed project:

Project Name _____

4/27/2007

Project Number _____

- ____ 1. The name, complete address, phone number, fax number and e-mail address of the project manager.
- ____ 2. The project location plotted on a USGA 7.5 topo map.
- ____ 3. The project name, address and location; street or highway, city, county, state.
- ____ 4. A brief description of the proposed project. Please include the size of the proposed project site and the size of the area where ground-disturbing activities will be taking place and the type of disturbance anticipated. Please include the height of towers.
- ____ 5. A brief description of current and former land use. We are primarily interested in ground disturbance and do not need detailed information or photographs of historic structures in the project area.
- ____ 6. A list of all recorded archaeological sites within one mile of the project area.
- ____ 7. A list of all eligible and potentially eligible National Register of Historic Places sites within one mile of the proposed project area.
- ____ 8. If there has been an archaeological survey done in the area, a copy of that report.
- ____ 9. It is not necessary to send original color photos if you can provide high-resolution color copies.
- ____ 10. A letter of concurrence from the appropriate State Historic Preservation Office.

If you use the FCC Form 620, please do not send Attachments 1 through 6. They are not necessary for our determination. We do not have an interest in projects that require no ground disturbance.

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

7. SHPO Lisa Burcham - Historic Preservation Office - Washington, DC - electronic mail

8. Environmental Review Coordinator Renee Gledhill Earley - NC State Historic Preservation Office - Raleigh, NC - electronic mail

4/27/2007

9. Deputy SHPO David Brook - Historic Preservation Office - Raleigh, NC - electronic mail
10. Manager - Office of Review & Compliance Ethel R Eaton PhD - Department of Historic Resources - Richmond, VA - electronic mail
11. Deputy SHPO Susan M Pierce - West Virginia Division of Culture & History, Historic Preservation Office - Charleston, WV - electronic mail and regular mail
12. Deputy SHPO Susan Pierce - West Virginia Division of Culture & History, Historic Preservation Office - Charleston, WV - electronic mail

"Exclusions" above set forth language provided by the Tribe, NHO, or SHPO. These exclusions may indicate types of tower notifications that the Tribe, NHO, or SHPO does not wish to review. TCNS automatically forwards all notifications to all Tribes, NHOs, and SHPOs that have an expressed interest in the geographic area of a proposal, as well as Tribes and NHOs that have not limited their geographic areas of interest. However, if a proposal falls within a designated exclusion, you need not expect any response and need not pursue any additional process with that Tribe, NHO, or SHPO. Exclusions may also set forth policies or procedures of a particular Tribe, NHO, or SHPO (for example, types of information that a Tribe routinely requests, or a policy that no response within 30 days indicates no interest in participating in pre-construction review).

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your obligations in the event that Tribes do not respond to this notification within a reasonable time.

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 04/24/2007
Notification ID: 26850
Tower Owner Individual or Entity Name: Nextel Communications of the Mid-Atlantic, Inc.
Consultant Name: Shaun Sagan
Street Address: EBI Consulting
6876 Susquehanna Trail South
City: York
State: PENNSYLVANIA
Zip Code: 17403
Phone: 717-428-0401
Email: ssagan@ebiconsulting.com

Structure Type: POLE - Any type of Pole
Latitude: 39 deg 1 min 36.0 sec N
Longitude: 77 deg 27 min 24.2 sec W
Location Description: 21260 Smiths Switch Road
City: Ashburn
State: VIRGINIA
County: LOUDOUN
Ground Elevation: 79.2 meters
Support Structure: 39.6 meters above ground level
Overall Structure: 42.1 meters above ground level
Overall Height AMSL: 121.3 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

4/27/2007

<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,
Federal Communications Commission

4/27/2007

Talia Gilmore

From: towernotifyinfo@fcc.gov
Sent: Thursday, May 10, 2007 1:15 PM
To: ssagan@ebiconsulting.com
Cc: towernotifyinfo@fcc.gov
Subject: Reply to Proposed Tower Structure (Notification ID #26850) - Email ID #1550211

Dear Shaun Sagan,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from Administrative Assistant Jo Ann Beckham of the Eastern Shawnee Tribe of Oklahoma in reference to Notification ID #26850:

May 10, 2007

To Whom It May Concern:

Thank you for notice of the referenced project(s). The Eastern Shawnee Tribe of Oklahoma is currently unaware of any documentation directly linking Indian Religious Sites to the proposed construction. In the event any items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) are discovered during construction, the Eastern Shawnee Tribe request notification and further consultation.

The Eastern Shawnee Tribe has no objection to the proposed construction. At present, the Eastern Shawnee Tribe does not wish to participate as a consulting party on the above referenced project(s). However, if any human skeletal remains and/or any objects falling under NAGPRA are uncovered during construction, the construction should stop immediately, and the appropriate persons, including state and tribal NAGPRA representatives contacted.

Sincerely,

Jo Ann Beckham, Administrative Assistant Eastern Shawnee Tribe of Oklahoma

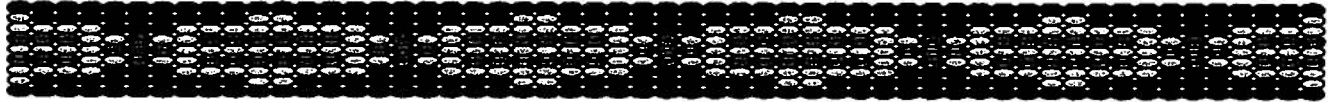
For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 04/24/2007
Notification ID: 26850
Tower Owner Individual or Entity Name: Nextel Communications of the Mid-Atlantic, Inc.
Consultant Name: Shaun Sagan
Street Address: EBI Consulting
6876 Susquehanna Trail South
City: York
State: PENNSYLVANIA
Zip Code: 17403
Phone: 717-428-0401
Email: ssagan@ebiconsulting.com

Structure Type: POLE - Any type of Pole
Latitude: 39 deg 1 min 36.0 sec N
Longitude: 77 deg 27 min 24.2 sec W
Location Description: 21260 Smiths Switch Road
City: Ashburn
State: VIRGINIA
County: LOUDOUN

Ground Elevation: 79.2 meters
Support Structure: 39.6 meters above ground level
Overall Structure: 42.1 meters above ground level
Overall Height AMSL: 121.3 meters above mean sea level

Catawba Indian Nation
Tribal Historic Preservation Office
P. O. Box 750
Rock Hill, South Carolina 29731
803-328-2427 Fax 803-328-5791



These are the counties of interest to the Catawba Indian Nation. They are subject to deletion or addition as our research continues.

Georgia:

Burke
Chatham
Effingham
Richmond
Screven

North Carolina:

Alamance
Alexander
Anson
Beaufort
Bertie
Bladen
Brunswick
Burke
Cabarrus
Caldwell
Caswell
Catawba
Chatham
Cleveland
Columbus
Cumberland
Davidson
Davie
Duplin
Durham
Edcombe
Forsyth
Franklin
Gaston
Granville
Greene
Guilford
Halifax
Harnett
Henderson
Hertford
Hoke
Iredell
Johnson

Jones
Lee
Lenoir
Lincoln
McDowell
Martin
Mecklenburg
Montgomery
Moore
Nash
New Hanover
Northhampton
Orange
Pasquotank
Pender
Person
Pitt
Polk
Randolph
Richmond
Robeson
Rockingham
Rowan
Rutherford
Sampson
Scotland
Stanley
Stokes
Surry
Transylvania
Union
Vance
Wake
Warren
Wayne
Wilkes
Wilson
Yadkin
Yancy

Pennsylvania:

Allegheny
Greene
Washington

South Carolina:

All of the South Carolina counties

Virginia:

Alexandria

Arlington
Bland
Botetourt
Brunswick
Caroline
Carroll
Chesterfield
Fairfax
Dinwiddie
Hanover
Henrico
James City
Mecklenburg
New Kent
Petersburg
Prince William
Spotsylvania
Stafford
Williamsburg
Winchester
Wythe
York

West Virginia:

Braxton
Fayette
Gilmer
Harrison
Lewis
Marion
Mercer
Monongalia
Nicholas
Raleigh

Shaun Sagan

From: Richard Allen [Richard-Allen@cherokee.org]
Sent: Wednesday, June 20, 2007 11:28 AM
To: ssagan@ebiconsulting.com
Subject: RE: Invitation to Comment in Section 106 Consultation Process - EBI#61071562

Mr. Sagan:

The Cherokee Nation has no knowledge of any historic, cultural or sacred sites within the affected area. Should any ground disturbance reveal an archaeological site or human remains, we ask that the all activity cease immediately and the Cherokee Nation and other appropriate agencies be contacted immediately.

Thank you,

Dr. Richard L. Allen
Policy Analyst
Cherokee Nation
P.O. Box 948
Tahlequah, Oklahoma 74465
(918) 453-5466

From: Shaun Sagan [mailto:ssagan@ebiconsulting.com]
Sent: Wednesday, June 20, 2007 8:18 AM
To: Richard Allen
Subject: Invitation to Comment in Section 106 Consultation Process - EBI#61071562

June 20, 2007

Dr. Richard Allen
Cherokee Nation
PO Box 948
Tahlequah, OK 74465

RE: Invitation to Comment in Section 106 Consultation Process
TCNS Reference No.: 26850
Wireless Site Name: Jakboub
Wireless Site No.: VA3891A
Site Address: 21260 Smith Switch Road, Ashburn, VA 20147
EBI Project No.: 61071562

Dear Dr. Allen:

Nextel Communications is proposing to construct a wireless telecommunications facility at the above-referenced location. *Nextel Communications* has retained EBI Consulting (EBI) to conduct a review of the proposed telecommunication facility for compliance with the Federal Communications Commission's Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act (47 CFR Part I, dated January 4, 2005). This notification has been prepared as a follow-up to the Tower Construction Notification System (TCNS) notice (Notification ID 26850), which was sent on April 27, 2007. EBI would like to inquire if you would be interested in commenting on this project.

The property is located in Ashburn, Virginia at 21260 Smith Switch Road in Loudoun County. Ashburn is located in northern Virginia, and the Subject Property is approximately eight miles southeast of downtown Leesburg. The current tenancy is utility use.

Nextel Communications proposes to construct a tower facility on the northern portion of the parcel, along the

6/20/2007

eastern boundary of the substation fence line. The proposed facility will consist of a 130-foot monopole equipped with an eight-foot lightning rod, bringing the overall height of the tower to 138 feet. Nine antennas will be mounted at a radial center height of 130 feet. The tower, along with a 12-foot by 20-foot equipment shelter, cabinets, and generator pad, will be located within a 50-foot by 65-foot compound. The compound will be enclosed by an eight-foot tall wooden fence. Access to the tower compound will be provided via the existing gravel access road and turnaround for the electrical substation.

The Project Site is located within the Sterling, Virginia 1998 USGS topographic quadrangle, and the geographic coordinates are N 39° 1' 36" and W 77° 27' 24.2". A copy of the USGS topographic map illustrating the location of the proposed facility is attached. If your Tribe wishes to comment on this project, please identify if you would like any additional information or documentation.

Thank you for your assistance in this matter. Consistent with the timelines outlined in the Nationwide Programmatic Agreement, please respond by July 20, 2007 with an opinion of interest or no interest. Should you have any questions or require additional information, please contact me at (717) 428-0401 or ssagan@ebiconsulting.com.

Respectfully Submitted,



Shaun Sagan
Staff Scientist
EBI Consulting
Mid-Atlantic Regional Office
6876 Susquehanna Trail South
York, PA 17403
717.428.0401 ext. 1216
717.779.9362 (Mobile)
717.428.0403 (Fax)



SHAWNEE TRIBE
HISTORIC PRESERVATION DEPARTMENT
29 SOUTH HIGHWAY 69A
MIAMI, OKLAHOMA 74354
918-542-2441 PHONE
918-542-9915 FAX

FACSIMILE COVER PAGE

TO: ShawnFROM: R.HFIRM/AGENCY: CBTDATE/TIME: 7/2/07FAX NUMBER: 217-428-0403

NO. OF PAGES, INCLUDING COVER: _____

PHONE NUMBER: _____

MEMO: 26830

MESSAGE:

Belinda Pryor

THE SHAWNEE TRIBE'S TRIBAL HISTORIC PRESERVATION OFFICER CONCURS THAT NO KNOWN HISTORIC PROPERTIES WILL BE NEGATIVELY IMPACTED BY CONSTRUCTION OF THIS TOWER SITE (SEE MEMO LINE ABOVE FOR TCNS NUMBER/S).

THE SHAWNEE TRIBE'S ARCHIVES DO NOT REVEAL ANY ISSUES OF CONCERN AT THIS TOWER LOCATION.

IN THE EVENT THAT ARCHAEOLOGICAL MATERIALS ARE ENCOUNTERED LATER DURING CONSTRUCTION, USE, OR MAINTENANCE OF THIS TOWER LOCATION, PLEASE RE-NOTIFY US AT THAT TIME AS WE WOULD LIKE TO RESUME CONSULTATION UNDER SUCH A CIRCUMSTANCE.

THE SHAWNEE TRIBE'S ENVIRONMENTAL AND NATURAL RESOURCES DEPARTMENT TAKES THIS OPPORTUNITY TO EXPRESS ITS CONCERNS THAT TELECOMMUNICATION TOWERS CAN HAVE A POTENTIALLY DESTRUCTIVE IMPACT ON BATS AND MIGRATORY BIRDS, PARTICULARLY THOSE THAT MIGRATE AT NIGHT, INCLUDING SPECIES LISTED AS THREATENED AND ENDANGERED BY BOTH STATES AND THE FEDERAL GOVERNMENT; AS WELL AS OTHER SPECIES. THE SHAWNEE TRIBE SUGGESTS THAT THIS TOWER BE CONSTRUCTED IN ACCORDANCE WITH THE GUIDELINES AVAILABLE FROM THE US FISH AND WILDLIFE SERVICE IN ORDER TO REDUCE THE ADVERSE EFFECTS OF TELECOMMUNICATIONS TOWERS ON MIGRATORY BIRDS; THESE GUIDELINES MAY BE FOUND AT:

(www.fws.gov/migratorybirds/issues/towers/comtow.html).

PLEASE DO NOT HESITATE TO CALL US FOR ADDITIONAL COMMENT.

If you have difficulty receiving this fax, please contact us at 918-542-2441.
The contents of this fax may contain confidential information, please distribute only to addressee.